API Reference

AmazonAppFlow

API Version 2020-08-23

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AmazonAppFlow: API Reference

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Welcome

Welcome to the Amazon AppFlow API reference. This guide is for developers who need detailed information about the Amazon AppFlow API operations, data types, and errors.

Amazon AppFlow is a fully managed integration service that enables you to securely transfer data between software as a service (SaaS) applications like Salesforce, Marketo, Slack, and ServiceNow, and Amazon Web Services like Amazon S3 and Amazon Redshift.

Use the following links to get started on the Amazon AppFlow API:

- Actions: An alphabetical list of all Amazon AppFlow API operations.
- Data types: An alphabetical list of all Amazon AppFlow data types.
- Common parameters: Parameters that all Query operations can use.
- Common errors: Client and server errors that all operations can return.

If you're new to Amazon AppFlow, we recommend that you review the Amazon AppFlow User Guide.

Amazon AppFlow API users can use vendor-specific mechanisms for OAuth, and include applicable OAuth attributes (such as `auth-code` and `redirecturi`) with the connector-specific `ConnectorProfileProperties` when creating a new connector profile using Amazon AppFlow API operations. For example, Salesforce users can refer to the *Authorize Apps with OAuth* documentation.

This document was last published on September 6, 2025.

Actions

The following actions are supported:

- CancelFlowExecutions
- CreateConnectorProfile
- CreateFlow
- DeleteConnectorProfile
- DeleteFlow
- DescribeConnector
- DescribeConnectorEntity
- DescribeConnectorProfiles
- DescribeConnectors
- DescribeFlow
- DescribeFlowExecutionRecords
- ListConnectorEntities
- ListConnectors
- ListFlows
- ListTagsForResource
- RegisterConnector
- ResetConnectorMetadataCache
- StartFlow
- StopFlow
- TagResource
- UnregisterConnector
- UntagResource
- UpdateConnectorProfile
- UpdateConnectorRegistration
- UpdateFlow

CancelFlowExecutions

Cancels active runs for a flow.

You can cancel all of the active runs for a flow, or you can cancel specific runs by providing their IDs.

You can cancel a flow run only when the run is in progress. You can't cancel a run that has already completed or failed. You also can't cancel a run that's scheduled to occur but hasn't started yet. To prevent a scheduled run, you can deactivate the flow with the `StopFlow` action.

You cannot resume a run after you cancel it.

When you send your request, the status for each run becomes `CancelStarted`. When the cancellation completes, the status becomes `Canceled`.

> **Note**
>
> When you cancel a run, you still incur charges for any data that the run already processed before the cancellation. If the run had already written some data to the flow destination, then that data remains in the destination. If you configured the flow to use a batch API (such as the Salesforce Bulk API 2.0), then the run will finish reading or writing its entire batch of data after the cancellation. For these operations, the data processing charges for Amazon AppFlow apply. For the pricing information, see Amazon AppFlow pricing.

Request Syntax

```
POST /cancel-flow-executions HTTP/1.1
Content-type: application/json

{
   "executionIds": [ "string" ],
   "flowName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

executionIds

The ID of each active run to cancel. These runs must belong to the flow you specify in your request.

If you omit this parameter, your request ends all active runs that belong to the flow.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

flowName

The name of a flow with active runs that you want to cancel.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

Response Syntax

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

{
   "invalidExecutions": [ "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.

invalidExecutions

The IDs of runs that Amazon AppFlow couldn't cancel. These runs might be ineligible for canceling because they haven't started yet or have already completed.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Maximum length of 256.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

AppFlow/Requester has invalid or missing permissions.

HTTP Status Code: 403

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ThrottlingException

API calls have exceeded the maximum allowed API request rate per account and per Region.

HTTP Status Code: 429

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

See Also

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

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

CreateConnectorProfile

Creates a new connector profile associated with your AWS account. There is a soft quota of 100 connector profiles per AWS account. If you need more connector profiles than this quota allows, you can submit a request to the Amazon AppFlow team through the Amazon AppFlow support channel. In each connector profile that you create, you can provide the credentials and properties for only one connector.

Request Syntax

```
POST /create-connector-profile HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "connectionMode": "string",
   "connectorLabel": "string",
   "connectorProfileConfig": {
      "connectorProfileCredentials": {
         "Amplitude": {
            "apiKey": "string",
            "secretKey": "string"
         },
         "CustomConnector": {
            "apiKey": {
               "apiKey": "string",
               "apiSecretKey": "string"
            },
            "authenticationType": "string",
            "basic": {
               "password": "string",
               "username": "string"
            },
            "custom": {
               "credentialsMap": {
                  "string" : "string"
               },
               "customAuthenticationType": "string"
            },
            "oauth2": {
               "accessToken": "string",
               "clientId": "string",
```

```
                "clientSecret": "string",
                "oAuthRequest": {
                   "authCode": "string",
                   "redirectUri": "string"
                },
                "refreshToken": "string"
             }
          },
          "Datadog": {
             "apiKey": "string",
             "applicationKey": "string"
          },
          "Dynatrace": {
             "apiToken": "string"
          },
          "GoogleAnalytics": {
             "accessToken": "string",
             "clientId": "string",
             "clientSecret": "string",
             "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
             },
             "refreshToken": "string"
          },
          "Honeycode": {
             "accessToken": "string",
             "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
             },
             "refreshToken": "string"
          },
          "InforNexus": {
             "accessKeyId": "string",
             "datakey": "string",
             "secretAccessKey": "string",
             "userId": "string"
          },
          "Marketo": {
             "accessToken": "string",
             "clientId": "string",
             "clientSecret": "string",
             "oAuthRequest": {
```

```
                "authCode": "string",
                "redirectUri": "string"
            }
        },
        "Pardot": {
            "accessToken": "string",
            "clientCredentialsArn": "string",
            "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
            },
            "refreshToken": "string"
        },
        "Redshift": {
            "password": "string",
            "username": "string"
        },
        "Salesforce": {
            "accessToken": "string",
            "clientCredentialsArn": "string",
            "jwtToken": "string",
            "oAuth2GrantType": "string",
            "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
            },
            "refreshToken": "string"
        },
        "SAPOData": {
            "basicAuthCredentials": {
                "password": "string",
                "username": "string"
            },
            "oAuthCredentials": {
                "accessToken": "string",
                "clientId": "string",
                "clientSecret": "string",
                "oAuthRequest": {
                    "authCode": "string",
                    "redirectUri": "string"
                },
                "refreshToken": "string"
            }
        },
```

```
            "ServiceNow": {
               "oAuth2Credentials": {
                  "accessToken": "string",
                  "clientId": "string",
                  "clientSecret": "string",
                  "oAuthRequest": {
                     "authCode": "string",
                     "redirectUri": "string"
                  },
                  "refreshToken": "string"
               },
               "password": "string",
               "username": "string"
            },
            "Singular": {
               "apiKey": "string"
            },
            "Slack": {
               "accessToken": "string",
               "clientId": "string",
               "clientSecret": "string",
               "oAuthRequest": {
                  "authCode": "string",
                  "redirectUri": "string"
               }
            },
            "Snowflake": {
               "password": "string",
               "username": "string"
            },
            "Trendmicro": {
               "apiSecretKey": "string"
            },
            "Veeva": {
               "password": "string",
               "username": "string"
            },
            "Zendesk": {
               "accessToken": "string",
               "clientId": "string",
               "clientSecret": "string",
               "oAuthRequest": {
                  "authCode": "string",
                  "redirectUri": "string"
```

```
            }
         }
      },
      "connectorProfileProperties": {
         "Amplitude": {
         },
         "CustomConnector": {
            "oAuth2Properties": {
               "oAuth2GrantType": "string",
               "tokenUrl": "string",
               "tokenUrlCustomProperties": {
                  "string" : "string"
               }
            },
            "profileProperties": {
               "string" : "string"
            }
         },
         "Datadog": {
            "instanceUrl": "string"
         },
         "Dynatrace": {
            "instanceUrl": "string"
         },
         "GoogleAnalytics": {
         },
         "Honeycode": {
         },
         "InforNexus": {
            "instanceUrl": "string"
         },
         "Marketo": {
            "instanceUrl": "string"
         },
         "Pardot": {
            "businessUnitId": "string",
            "instanceUrl": "string",
            "isSandboxEnvironment": boolean
         },
         "Redshift": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "clusterIdentifier": "string",
            "dataApiRoleArn": "string",
```

```
            "databaseName": "string",
            "databaseUrl": "string",
            "isRedshiftServerless": boolean,
            "roleArn": "string",
            "workgroupName": "string"
        },
        "Salesforce": {
            "instanceUrl": "string",
            "isSandboxEnvironment": boolean,
            "usePrivateLinkForMetadataAndAuthorization": boolean
        },
        "SAPOData": {
            "applicationHostUrl": "string",
            "applicationServicePath": "string",
            "clientNumber": "string",
            "disableSSO": boolean,
            "logonLanguage": "string",
            "oAuthProperties": {
                "authCodeUrl": "string",
                "oAuthScopes": [ "string" ],
                "tokenUrl": "string"
            },
            "portNumber": number,
            "privateLinkServiceName": "string"
        },
        "ServiceNow": {
            "instanceUrl": "string"
        },
        "Singular": {
        },
        "Slack": {
            "instanceUrl": "string"
        },
        "Snowflake": {
            "accountName": "string",
            "bucketName": "string",
            "bucketPrefix": "string",
            "privateLinkServiceName": "string",
            "region": "string",
            "stage": "string",
            "warehouse": "string"
        },
        "Trendmicro": {
        },
```

```
            "Veeva": {
               "instanceUrl": "string"
            },
            "Zendesk": {
               "instanceUrl": "string"
            }
         }
      },
      "connectorProfileName": "string",
      "connectorType": "string",
      "kmsArn": "string"
   }
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `CreateConnectorProfile` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `CreateConnectorProfile`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

connectionMode

Indicates the connection mode and specifies whether it is public or private. Private flows use AWS PrivateLink to route data over AWS infrastructure without exposing it to the public internet.

Type: String

Valid Values: `Public | Private`

Required: Yes

connectorLabel

The label of the connector. The label is unique for each `ConnectorRegistration` in your AWS account. Only needed if calling for CUSTOMCONNECTOR connector type/.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorProfileConfig

Defines the connector-specific configuration and credentials.

Type: ConnectorProfileConfig object

Required: Yes

connectorProfileName

The name of the connector profile. The name is unique for each `ConnectorProfile` in your AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: Yes

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: Yes

kmsArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:kms:.*:[0-9]+:.*`

Required: No

Response Syntax

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

{
   "connectorProfileArn": "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.

connectorProfileArn

The Amazon Resource Name (ARN) of the connector profile.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

CustomConnector

This example shows a sample request for the `CreateConnectorProfile` API (without OAuth) and a sample response.

Sample Request

```
{
  "connectorProfileName": "Connector_Profile_Name_Value",
  "kmsArn": null,
  "connectorType": "CUSTOMCONNECTOR",
  "connectorLabel": "MyCustomConnector",
  "connectionMode": "Public",
  "connectorProfileConfig":
  {
    "connectorProfileProperties":
    {
      "salesforce":
      {
        "instanceUrl": "InstanceUrl_value",
        "isSandboxEnvironment": false
      }
    },
    "connectorProfileCredentials":
    {
      "salesforce":
      {
        "accessToken": "<AccessToken>",
        "refreshToken": "<RefreshToken>",
        "oauthRequest":
        {
          "authCode": null,
          "redirectUri": null
        }
```

```
      }
    }
  }
}
```

Sample Response

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
Connector_Profile_Name"
}
```

Salesforce without OAuth

This example shows a sample request for the `CreateConnectorProfile` API (without OAuth) and a sample response.

Sample Request

```
{
  "connectorProfileName": "Connector_Profile_Name_Value",
  "kmsArn": null,
  "connectorType": "Salesforce",
  "connectorLabel": "Salesforce",
  "connectionMode": "Public",
  "connectorProfileConfig": {
    "connectorProfileProperties": {
      "salesforce": {
        "instanceUrl": "InstanceUrl_value",
        "isSandboxEnvironment": false
      }
    },
    "connectorProfileCredentials": {
      "salesforce": {
        "accessToken": "<AccessToken>",
        "refreshToken": "<RefreshToken>",
        "oauthRequest": {
          "authCode": null,
          "redirectUri": null
        }
      }
    }
```

```
  }
}
```

Sample Response

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
Connector_Profile_Name"
}
```

Salesforce with OAuth

These examples show a request with OAuth and a sample response.

Sample Request

```
{
  "connectorProfileName": "connector-profile-name_value",
  "kmsArn": null,
  "connectorType": "Salesforce",
  "connectionMode": "Public",
  "connectorProfileConfig": {
    "connectorProfileProperties": {
      "salesforce": {
        "isSandboxEnvironment": false
      }
    },
    "connectorProfileCredentials": {
      "salesforce": {
        "oauthRequest": {
          "authCode": "<AuthCode>",
          "redirectUri": "redirectUri"
        }
      }
    }
  }
}
```

Sample Response

```
{
```

```
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
connector-profile-name"
}
```

Zendesk

This example shows a sample request and response for the `CreateConnectorProfile` API using Zendesk.

Sample Request

```
{
  "connectorProfileName": "connector-profile-name",
  "connectorType": "Zendesk",
  "connectionMode": "Public",
  "connectorProfileConfig": {
    "connectorProfileProperties": {
      "zendesk": {
        "instanceUrl": "Zendesk_Url"
      }
    },
    "connectorProfileCredentials": {
      "zendesk": {
        "clientId": "aws_integration_to_zendesk",
        "clientSecret": "<ClientSecret>",
        "accessToken": "<AccessToken>",
        "oauthRequest": {
          "authCode": null,
          "redirectUri": null
        }
      }
    }
  }
}
```

Sample Response

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
connector-profile-name"
}
```

Google Analytics

This example shows a sample request and response for the `CreateConnectorProfile` API using Google Analytics.

Sample Request

```
{
  "connectorProfileName": "connector-profile-name",
  "connectorType": "Googleanalytics",
  "connectionMode": "Public",
  "connectorProfileConfig": {
    "connectorProfileProperties": {
      "googleAnalytics": {}
    },
    "connectorProfileCredentials": {
      "googleAnalytics": {
        "clientId": "<ClientId>",
        "clientSecret": "<ClientSecret>",
        "accessToken": "<AccessToken>",
        "refreshToken": "<RefreshToken>",
        "oauthRequest": {
          "authCode": null,
          "redirectUri": null
        }
      }
    }
  }
}
```

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
connector-profile-name"
}
```

Marketo

This example shows a sample request and response for the `CreateConnectorProfile` API using Marketo.

Sample Request

```
{
  "connectorProfileName": "Connector-profile-new",
  "connectorType": "Marketo",
  "connectionMode": "Public",
  "connectorProfileConfig": {
    "connectorProfileProperties": {
      "marketo": {
        "instanceUrl": "Marketo_Url"
      }
    },
    "connectorProfileCredentials": {
      "marketo": {
        "clientId": "<ClientId>>",
        "clientSecret": "<ClientSecret>",
        "accessToken": "<AccessToken>",
        "oauthRequest": {
          "authCode": null,
          "redirectUri": null
        }
      }
    }
  }
}
```

Sample Response

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
Connector-profile-new"
}
```

See Also

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

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

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

CreateFlow

Enables your application to create a new flow using Amazon AppFlow. You must create a connector profile before calling this API. Please note that the Request Syntax below shows syntax for multiple destinations, however, you can only transfer data to one item in this list at a time. Amazon AppFlow does not currently support flows to multiple destinations at once.

Request Syntax

```
POST /create-flow HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "destinationFlowConfigList": [
      {
         "apiVersion": "string",
         "connectorProfileName": "string",
         "connectorType": "string",
         "destinationConnectorProperties": {
            "CustomConnector": {
               "customProperties": {
                  "string" : "string"
               },
               "entityName": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "idFieldNames": [ "string" ],
               "writeOperationType": "string"
            },
            "CustomerProfiles": {
               "domainName": "string",
               "objectTypeName": "string"
            },
            "EventBridge": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
```

```
                "failOnFirstDestinationError": boolean
            },
            "object": "string"
        },
        "Honeycode": {
            "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "object": "string"
        },
        "LookoutMetrics": {
        },
        "Marketo": {
            "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "object": "string"
        },
        "Redshift": {
            "bucketPrefix": "string",
            "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "intermediateBucketName": "string",
            "object": "string"
        },
        "S3": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "s3OutputFormatConfig": {
                "aggregationConfig": {
                    "aggregationType": "string",
                    "targetFileSize": number
                },
                "fileType": "string",
                "prefixConfig": {
                    "pathPrefixHierarchy": [ "string" ],
                    "prefixFormat": "string",
```

```
                "prefixType": "string"
            },
            "preserveSourceDataTyping": boolean
        }
    },
    "Salesforce": {
        "dataTransferApi": "string",
        "errorHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "failOnFirstDestinationError": boolean
        },
        "idFieldNames": [ "string" ],
        "object": "string",
        "writeOperationType": "string"
    },
    "SAPOData": {
        "errorHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "failOnFirstDestinationError": boolean
        },
        "idFieldNames": [ "string" ],
        "objectPath": "string",
        "successResponseHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string"
        },
        "writeOperationType": "string"
    },
    "Snowflake": {
        "bucketPrefix": "string",
        "errorHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "failOnFirstDestinationError": boolean
        },
        "intermediateBucketName": "string",
        "object": "string"
    },
    "Upsolver": {
        "bucketName": "string",
        "bucketPrefix": "string",
        "s3OutputFormatConfig": {
```

```
                "aggregationConfig": {
                   "aggregationType": "string",
                   "targetFileSize": number
                },
                "fileType": "string",
                "prefixConfig": {
                   "pathPrefixHierarchy": [ "string" ],
                   "prefixFormat": "string",
                   "prefixType": "string"
                }
             }
          },
          "Zendesk": {
             "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
             },
             "idFieldNames": [ "string" ],
             "object": "string",
             "writeOperationType": "string"
          }
       }
    }
 ],
 "flowName": "string",
 "kmsArn": "string",
 "metadataCatalogConfig": {
    "glueDataCatalog": {
       "databaseName": "string",
       "roleArn": "string",
       "tablePrefix": "string"
    }
 },
 "sourceFlowConfig": {
    "apiVersion": "string",
    "connectorProfileName": "string",
    "connectorType": "string",
    "incrementalPullConfig": {
       "datetimeTypeFieldName": "string"
    },
    "sourceConnectorProperties": {
       "Amplitude": {
          "object": "string"
```

```
        },
        "CustomConnector": {
           "customProperties": {
              "string" : "string"
           },
           "dataTransferApi": {
              "Name": "string",
              "Type": "string"
           },
           "entityName": "string"
        },
        "Datadog": {
           "object": "string"
        },
        "Dynatrace": {
           "object": "string"
        },
        "GoogleAnalytics": {
           "object": "string"
        },
        "InforNexus": {
           "object": "string"
        },
        "Marketo": {
           "object": "string"
        },
        "Pardot": {
           "object": "string"
        },
        "S3": {
           "bucketName": "string",
           "bucketPrefix": "string",
           "s3InputFormatConfig": {
              "s3InputFileType": "string"
           }
        },
        "Salesforce": {
           "dataTransferApi": "string",
           "enableDynamicFieldUpdate": boolean,
           "includeDeletedRecords": boolean,
           "object": "string"
        },
        "SAPOData": {
           "objectPath": "string",
```

```
            "paginationConfig": {
               "maxPageSize": number
            },
            "parallelismConfig": {
               "maxParallelism": number
            }
         },
         "ServiceNow": {
            "object": "string"
         },
         "Singular": {
            "object": "string"
         },
         "Slack": {
            "object": "string"
         },
         "Trendmicro": {
            "object": "string"
         },
         "Veeva": {
            "documentType": "string",
            "includeAllVersions": boolean,
            "includeRenditions": boolean,
            "includeSourceFiles": boolean,
            "object": "string"
         },
         "Zendesk": {
            "object": "string"
         }
      }
   },
   "tags": {
      "string" : "string"
   },
   "tasks": [
      {
         "connectorOperator": {
            "Amplitude": "string",
            "CustomConnector": "string",
            "Datadog": "string",
            "Dynatrace": "string",
            "GoogleAnalytics": "string",
            "InforNexus": "string",
            "Marketo": "string",
```

```
            "Pardot": "string",
            "S3": "string",
            "Salesforce": "string",
            "SAPOData": "string",
            "ServiceNow": "string",
            "Singular": "string",
            "Slack": "string",
            "Trendmicro": "string",
            "Veeva": "string",
            "Zendesk": "string"
         },
         "destinationField": "string",
         "sourceFields": [ "string" ],
         "taskProperties": {
            "string" : "string"
         },
         "taskType": "string"
      }
   ],
   "triggerConfig": {
      "triggerProperties": {
         "Scheduled": {
            "dataPullMode": "string",
            "firstExecutionFrom": number,
            "flowErrorDeactivationThreshold": number,
            "scheduleEndTime": number,
            "scheduleExpression": "string",
            "scheduleOffset": number,
            "scheduleStartTime": number,
            "timezone": "string"
         }
      },
      "triggerType": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `CreateFlow` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `CreateFlow`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

description

A description of the flow you want to create.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

destinationFlowConfigList

The configuration that controls how Amazon AppFlow places data in the destination connector.

Type: Array of DestinationFlowConfig objects

Required: Yes

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

kmsArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:kms:.*:[0-9]+:.*`

Required: No

metadataCatalogConfig

Specifies the configuration that Amazon AppFlow uses when it catalogs the data that's transferred by the associated flow. When Amazon AppFlow catalogs the data from a flow, it stores metadata in a data catalog.

Type: MetadataCatalogConfig object

Required: No

sourceFlowConfig

The configuration that controls how Amazon AppFlow retrieves data from the source connector.

Type: SourceFlowConfig object

Required: Yes

tags

The tags used to organize, track, or control access for your flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `[\s\w+-=\.:/@]*`

Required: No

tasks

A list of tasks that Amazon AppFlow performs while transferring the data in the flow run.

Type: Array of Task objects

Required: Yes

triggerConfig

The trigger settings that determine how and when the flow runs.

Type: TriggerConfig object

Required: Yes

Response Syntax

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

{
   "flowArn": "string",
   "flowStatus": "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.

flowArn

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

AppFlow/Requester has invalid or missing permissions.

HTTP Status Code: 403

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Salesforce

This example shows a sample request for the `CreateFlow` API using Salesforce. If you see the error shown in the second sample, it is because of an expired access or refresh token. Retrieve a new access or refresh token to proceed.

Sample Request

```
{
  "flowName": "testFlowSaleforce",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "Scheduled",
    "triggerProperties": {
        "scheduledTriggerProperties" : {
            "scheduleExpression" : "rate(1minutes)"
        }
    }
  },
  "sourceFlowConfig": {
    "connectorType": "Salesforce",
    "connectorLabel":"MyCustomConnector",
    "connectorProfileName": "Connector_Profile_Name",
```

```
    "sourceConnectorProperties": {
      "salesforce": {
         "object": "account"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorLabel":"MyCustomConnector",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "BucketName",
          "bucketKey": "BucketKey"
        }
      }
    }
  ],
  "tasks": [
    {
      "sourceFields": [
        "CreatedDate"
      ],
      "taskProperties": {

      },
      "destinationField": "CreatedDate",
      "taskType": "Map"
    },
    {
      "destinationField": "LastActivityDate",
      "sourceFields": [
        "LastActivityDate"
      ],
      "taskProperties": {

      },
      "taskType": "Map"
    }
  ]
}
```

```
{
```

```
  "message": "Error while authenticating to connector"
}
```

Zendesk

This example shows a sample request for the `CreateFlow` API using Zendesk.

Sample Request

```
{
  "useDefaultEncryption": false,
  "flowName": "testFlowZendesk",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "Scheduled",
    "triggerProperties": {
        "scheduledTriggerProperties" : {
            "scheduleExpression" : "rate(1minutes)"
        }
    }
  },
  "sourceFlowConfig": {
    "connectorType": "Zendesk",
    "connectorProfileName": "connector-profile-name",
    "sourceConnectorProperties": {
      "zendesk": {
         "object": "tickets"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "BucketName",
          "bucketKey": "BucketKey"
        }
      }
    }
  ],
  "tasks": [
```

```
    {
      "destinationField": "url",
      "sourceFields": [
        "url"
      ],
      "taskProperties": {
          "SOURCE_DATA_TYPE": "integer"
      },
      "taskType": "Map"
    }
  ]
}
```

Google Analytics

This example shows a sample request for the `CreateFlow` API using Google Analytics.

Sample Request

```
{
 "useDefaultEncryption": false,
 "flowName": "testFlowGAnalytics",
 "description": "TestFlow",
 "triggerConfig": {
   "triggerType": "Scheduled",
   "triggerProperties": {
       "scheduledTriggerProperties" : {
           "scheduleExpression" : "rate(1minutes)"
       }
   }
 },
 "sourceFlowConfig": {
   "connectorType": "Googleanalytics",
   "connectorProfileName": "connector-profile-name",
   "sourceConnectorProperties": {
     "googleanalytics": {
        "object": "ObjectID"
     }
   }
 },
 "destinationFlowConfigList": [
   {
     "connectorType": "S3",
```

```
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "BucketName",
          "bucketKey": "BucketKey"
        }
      }
    }
  ],
  "tasks": [
    {
      "destinationField": "url",
      "sourceFields": [
        "url"
      ],
      "taskProperties": {
          "SOURCE_DATA_TYPE": "integer"
      },
      "taskType": "Map"
    }
  ]
}
```

Marketo

This example shows a sample request for the `CreateFlow` API using Marketo.

Sample Request

```
{
  "flowName": "testMarketo",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "Scheduled",
    "triggerProperties": {
        "scheduledTriggerProperties" : {
            "scheduleExpression" : "rate(1minutes)"
        }
    }
  },
  "sourceFlowConfig": {
    "connectorType": "Marketo",
    "connectorProfileName": "Connector-profile-new",
```

```
    "sourceConnectorProperties": {
      "marketo": {
         "object": "leads"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "BucketName",
          "bucketKey": "BucketKey"
        }
      }
    }
  ],
  "tasks": [
      {
      "connectorOperator": {
          "marketo":"BETWEEN"
      },
      "sourceFields": [
        "updatedAt"
      ],
      "taskProperties": {
        "DATA_TYPE": "datetime",
        "LOWER_BOUND": "Lower_Bound_value",
        "UPPER_BOUND": "Upper_Bound_value"
      },
      "taskType": "Filter"
    },
    {
      "destinationField": "company",
      "sourceFields": [
        "company"
      ],
      "taskProperties": {
          "SOURCE_DATA_TYPE": "string"
      },
      "taskType": "Map"
    }
  ]
```

```
}
```

Connection credentials

This Java example shows credentials associated with a connection. In this case, the example uses OAuth. These credentials are stored in secrets manager after the profile is created.

```
ConnectorProfileCredentials credentials = new
 ConnectorProfileCredentials().withSalesforce(
        new SalesforceConnectorProfileCredentials().withAccessToken(accessToken)
           .withRefreshToken(refreshToken));
```

Connection properties

This Java example shows other properties associated with a connection to Salesforce.

```
ConnectorProfileProperties properties = new
 ConnectorProfileProperties().withSalesforce(
                new
 SalesforceConnectorProfileProperties().withInstanceUrl(instanceUrl));
```

Connector profile creation

To create a flow, you must first create a connector profile. This Java example shows information about connecting to Salesforce.

```
amazonAppflow.createConnectorProfile(new
 CreateConnectorProfileRequest().withConnectorProfileConfig(
                new
 ConnectorProfileConfig().withConnectorProfileCredentials(credentials)
                        .withConnectorProfileProperties(properties))
                .withConnectorProfileName(salesforceProfileName)
                .withConnectorType(ConnectorType.Salesforce)
                .withConnectionMode(ConnectionMode.Public));
```

Source connection properties

This Java example shows properties for a source connection. `Account` is the object in Salesforce that we want to retrieve. You can find a list of all supported objects by using the

`listConnectorEntity` API. The `ConnectorProfileName` is the connector profile, the creation of which is seen in the previous example.

```
 SourceFlowConfig sourceFlowConfig = new
SourceFlowConfig().withSourceConnectorProperties(
               new SourceConnectorProperties().withSalesforce(new
SalesforceSourceProperties().withObject("Account")))
               .withConnectorType(ConnectorType.Salesforce)
               .withConnectorProfileName(salesforceProfileName);
```

Destination connection properties

This Java example shows properties for a destination connection. Note that many AWS connectors such as Amazon S3 don't require a connector profile. Amazon AppFlow accesses S3 buckets through a bucket resource policy, therefore a connector profile isn't needed.

```
  DestinationFlowConfig destinationFlowConfig = new
DestinationFlowConfig().withConnectorType(ConnectorType.S3)
               .withDestinationConnectorProperties(new
DestinationConnectorProperties().withS3(
                       new
S3DestinationProperties().withBucketName(bucketName).withBucketPrefix("testPrefix")));
```

Tasks

Tasks describe what to do with the data once it has been retrieved, but before it is sent to the destination. Most connectors require a projection task. A projection task describes what fields should be retrieved from the source object. Fields that can be retrieved can be discovered by making a call to the `DescribeConnectorEntity` API.

```
Task projectionTask = new Task().withTaskType(TaskType.Filter)
               .withConnectorOperator(new
ConnectorOperator().withSalesforce(SalesforceConnectorOperator.PROJECTION))
               .withSourceFields("Id", "Name");
```

Mapping task

Most flows also require at least one mapping task. Mapping tasks map a source field to a destination field. This Java example shows the mapping between the retrieved field, `Id`, to a new field, `AccountId`.

```
Task createdMappingTask = new Task().withTaskType(TaskType.Map)
                .withConnectorOperator(new
 ConnectorOperator().withSalesforce(SalesforceConnectorOperator.NO_OP))
                .withSourceFields("Id")
                .withDestinationField("AccountId");

        amazonAppflow.createFlow(new
 CreateFlowRequest().withFlowName(salesforceFlowName)
                .withTriggerConfig(new
 TriggerConfig().withTriggerType(TriggerType.OnDemand))
                .withSourceFlowConfig(sourceFlowConfig)
                .withDestinationFlowConfigList(destinationFlowConfig)
                .withTasks(projectionTask, idMappingTask, createdMappingTask));
```

Sample imports

This Java example shows sample imports.

```
import com.amazonaws.services.appflow.AmazonAppflow;
import com.amazonaws.services.appflow.model.ConnectionMode;
import com.amazonaws.services.appflow.model.ConnectorOperator;
import com.amazonaws.services.appflow.model.ConnectorProfileConfig;
import com.amazonaws.services.appflow.model.ConnectorProfileCredentials;
import com.amazonaws.services.appflow.model.ConnectorProfileProperties;
import com.amazonaws.services.appflow.model.ConnectorType;
import com.amazonaws.services.appflow.model.CreateConnectorProfileRequest;
import com.amazonaws.services.appflow.model.CreateFlowRequest;
import com.amazonaws.services.appflow.model.DeleteConnectorProfileRequest;
import com.amazonaws.services.appflow.model.DeleteFlowRequest;
import com.amazonaws.services.appflow.model.DestinationConnectorProperties;
import com.amazonaws.services.appflow.model.DestinationFlowConfig;
import com.amazonaws.services.appflow.model.S3DestinationProperties;
import com.amazonaws.services.appflow.model.SalesforceConnectorOperator;
import com.amazonaws.services.appflow.model.SalesforceConnectorProfileCredentials;
import com.amazonaws.services.appflow.model.SalesforceConnectorProfileProperties;
import com.amazonaws.services.appflow.model.SalesforceSourceProperties;
import com.amazonaws.services.appflow.model.SourceConnectorProperties;
import com.amazonaws.services.appflow.model.SourceFlowConfig;
import com.amazonaws.services.appflow.model.Task;
import com.amazonaws.services.appflow.model.TaskType;
import com.amazonaws.services.appflow.model.TriggerConfig;
import com.amazonaws.services.appflow.model.TriggerType;
```

See Also

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

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

DeleteConnectorProfile

Enables you to delete an existing connector profile.

Request Syntax

```
POST /delete-connector-profile HTTP/1.1
Content-type: application/json

{
   "connectorProfileName": "string",
   "forceDelete": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

connectorProfileName

The name of the connector profile. The name is unique for each `ConnectorProfile` in your account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: Yes

forceDelete

Indicates whether Amazon AppFlow should delete the profile, even if it is currently in use in one or more flows.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

Examples

Marketo

This example shows a sample request and response for the `CreateConnectorProfile` API using Marketo. If `forceDelete` is false, and there are flows associated, you will see a message similar to that shown in the third sample.

Sample Request

```
{
  "connectorProfileName": "testMarketoProfile",
  "forceDelete": "true"
}
```

Sample Response

```
{
  "deleted": true,
  "flowNames": null
}
```

```
{
  "message": "Conflict executing request: Connector profile: testMarketoProfile is
 associated with one or more flows. If you still want to *delete* it, *then* make
 *delete* request *with* forceDelete flag *as* true. *Some* of the associated flows
 are: [myTestFlow1]"
}
```

See Also

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

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

DeleteFlow

Enables your application to delete an existing flow. Before deleting the flow, Amazon AppFlow validates the request by checking the flow configuration and status. You can delete flows one at a time.

Request Syntax

```
POST /delete-flow HTTP/1.1
Content-type: application/json

{
   "flowName": "string",
   "forceDelete": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

forceDelete

Indicates whether Amazon AppFlow should delete the flow, even if it is currently in use.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

Examples

An active scheduled flow with forceDelete false

This example shows an active scheduled flow with `forceDelete` false. The result is that a conflict exception is thrown.

Sample Request

```
{
  "flowName": "flowName_value"
}
```

Sample Response

```
{
  "message": "Conflict executing request: Flow is in active state, please set
 forceDelete to true or deactivate the flow: flowName_value"
}
```

An active scheduled flow with forceDelete true

This example shows an active scheduled flow with `forceDelete` true. The result is that the flow is deleted successfully.

Sample Request

```
{
  "flowName": "flowName_value",
  "forceDelete": true
}
```

Sample Response

```
{}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

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

DescribeConnector

Describes the given custom connector registered in your AWS account. This API can be used for custom connectors that are registered in your account and also for Amazon authored connectors.

Request Syntax

```
POST /describe-connector HTTP/1.1
Content-type: application/json

{
   "connectorLabel": "string",
   "connectorType": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

connectorLabel

The label of the connector. The label is unique for each `ConnectorRegistration` in your AWS account. Only needed if calling for CUSTOMCONNECTOR connector type/.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorType

The connector type, such as CUSTOMCONNECTOR, Saleforce, Marketo. Please choose CUSTOMCONNECTOR for Lambda based custom connectors.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: Yes

Response Syntax

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

{
   "connectorConfiguration": {
      "authenticationConfig": {
         "customAuthConfigs": [
            {
               "authParameters": [
                  {
                     "connectorSuppliedValues": [ "string" ],
                     "description": "string",
                     "isRequired": boolean,
                     "isSensitiveField": boolean,
                     "key": "string",
                     "label": "string"
                  }
               ],
               "customAuthenticationType": "string"
            }
         ],
         "isApiKeyAuthSupported": boolean,
         "isBasicAuthSupported": boolean,
         "isCustomAuthSupported": boolean,
         "isOAuth2Supported": boolean,
         "oAuth2Defaults": {
            "authCodeUrls": [ "string" ],
            "oauth2CustomProperties": [
               {
                  "connectorSuppliedValues": [ "string" ],
                  "description": "string",
                  "isRequired": boolean,
```

```
                "isSensitiveField": boolean,
                "key": "string",
                "label": "string",
                "type": "string"
            }
        ],
        "oauth2GrantTypesSupported": [ "string" ],
        "oauthScopes": [ "string" ],
        "tokenUrls": [ "string" ]
    }
},
"canUseAsDestination": boolean,
"canUseAsSource": boolean,
"connectorArn": "string",
"connectorDescription": "string",
"connectorLabel": "string",
"connectorMetadata": {
    "Amplitude": {
    },
    "CustomerProfiles": {
    },
    "Datadog": {
    },
    "Dynatrace": {
    },
    "EventBridge": {
    },
    "GoogleAnalytics": {
        "oAuthScopes": [ "string" ]
    },
    "Honeycode": {
        "oAuthScopes": [ "string" ]
    },
    "InforNexus": {
    },
    "Marketo": {
    },
    "Pardot": {
    },
    "Redshift": {
    },
    "S3": {
    },
    "Salesforce": {
```

```
            "dataTransferApis": [ "string" ],
            "oauth2GrantTypesSupported": [ "string" ],
            "oAuthScopes": [ "string" ]
         },
         "SAPOData": {
         },
         "ServiceNow": {
         },
         "Singular": {
         },
         "Slack": {
            "oAuthScopes": [ "string" ]
         },
         "Snowflake": {
            "supportedRegions": [ "string" ]
         },
         "Trendmicro": {
         },
         "Upsolver": {
         },
         "Veeva": {
         },
         "Zendesk": {
            "oAuthScopes": [ "string" ]
         }
      },
      "connectorModes": [ "string" ],
      "connectorName": "string",
      "connectorOwner": "string",
      "connectorProvisioningConfig": {
         "lambda": {
            "lambdaArn": "string"
         }
      },
      "connectorProvisioningType": "string",
      "connectorRuntimeSettings": [
         {
            "connectorSuppliedValueOptions": [ "string" ],
            "dataType": "string",
            "description": "string",
            "isRequired": boolean,
            "key": "string",
            "label": "string",
            "scope": "string"
```

```
            }
        ],
        "connectorType": "string",
        "connectorVersion": "string",
        "isPrivateLinkEnabled": boolean,
        "isPrivateLinkEndpointUrlRequired": boolean,
        "logoURL": "string",
        "registeredAt": number,
        "registeredBy": "string",
        "supportedApiVersions": [ "string" ],
        "supportedDataTransferApis": [
            {
                "Name": "string",
                "Type": "string"
            }
        ],
        "supportedDataTransferTypes": [ "string" ],
        "supportedDestinationConnectors": [ "string" ],
        "supportedOperators": [ "string" ],
        "supportedSchedulingFrequencies": [ "string" ],
        "supportedTriggerTypes": [ "string" ],
        "supportedWriteOperations": [ "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.

connectorConfiguration

Configuration info of all the connectors that the user requested.

Type: ConnectorConfiguration object

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Describing the given connector

This example shows a sample request for the `DescribeConnector` API and a sample response.

Sample Request

```
{
  "connectorType": "connectorType",
  "connectorLabel": "connectorLabel"
}
```

Sample Response

```
{
  "connectorConfiguration":
  {
    "authenticationConfig": null,
    "canUseAsDestination": true,
    "canUseAsSource": true,
    "connectorArn": null,
    "connectorDescription": "Salesforce",
    "connectorLabel": null,
    "connectorMetadata":
```

```
    {
      "Amplitude": null,
      "AppIntegrations": null,
      "CustomerProfiles": null,
      "Datadog": null,
      "Dynatrace": null,
      "EventBridge": null,
      "GoogleAnalytics": null,
      "Honeycode": null,
      "InforNexus": null,
      "Locke": null,
      "Marketo": null,
      "Pardot": null,
      "Redshift": null,
      "S3": null,
      "SAPOData": null,
      "Salesforce":
      {
        "oAuthScopes":
        [
          "api",
          "refresh_token",
          "id"
        ]
      },
      "ServiceNow": null,
      "Singular": null,
      "Slack": null,
      "Snowflake": null,
      "Trendmicro": null,
      "Upsolver": null,
      "Veeva": null,
      "Zendesk": null
    },
    "connectorModes": null,
    "connectorName": null,
    "connectorOwner": null,
    "connectorProvisioningConfig": null,
    "connectorProvisioningType": null,
    "connectorRuntimeSettings": null,
    "connectorType": "SALESFORCE",
    "connectorVersion": null,
    "isPrivateLinkEnabled": true,
    "isPrivateLinkEndpointUrlRequired": false,
```

```
    "logoURL": "insert-logo-here",
    "registeredAt": null,
    "registeredBy": null,
    "supportedApiVersions": null,
    "supportedDestinationConnectors":
    [
      "S3",
      "Snowflake",
      "Redshift",
      "Salesforce",
      "EventBridge",
      "LookoutMetrics",
      "Locke",
      "Honeycode",
      "Upsolver",
      "CustomerProfiles",
      "Zendesk",
      "Marketo",
      "CustomConnector"
    ],
    "supportedOperators": null,
    "supportedSchedulingFrequencies":
    [
      "BYMINUTE",
      "HOURLY",
      "DAILY",
      "WEEKLY",
      "MONTHLY",
      "ONCE"
    ],
    "supportedTriggerTypes":
    [
      "Scheduled",
      "OnDemand",
      "Event"
    ],
    "supportedWriteOperations": null
  }
}
```

See Also

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

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

DescribeConnectorEntity

Provides details regarding the entity used with the connector, with a description of the data model for each field in that entity.

Request Syntax

```
POST /describe-connector-entity HTTP/1.1
Content-type: application/json

{
   "apiVersion": "string",
   "connectorEntityName": "string",
   "connectorProfileName": "string",
   "connectorType": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiVersion

The version of the API that's used by the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorEntityName

The entity name for that connector.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `\S+`

Required: Yes

connectorProfileName

The name of the connector profile. The name is unique for each `ConnectorProfile` in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

connectorType

The type of connector application, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

Response Syntax

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

{
   "connectorEntityFields": [
      {
         "customProperties": {
            "string" : "string"
         },
         "defaultValue": "string",
```

```
            "description": "string",
            "destinationProperties": {
               "isCreatable": boolean,
               "isDefaultedOnCreate": boolean,
               "isNullable": boolean,
               "isUpdatable": boolean,
               "isUpsertable": boolean,
               "supportedWriteOperations": [ "string" ]
            },
            "identifier": "string",
            "isDeprecated": boolean,
            "isPrimaryKey": boolean,
            "label": "string",
            "parentIdentifier": "string",
            "sourceProperties": {
               "isQueryable": boolean,
               "isRetrievable": boolean,
               "isTimestampFieldForIncrementalQueries": boolean
            },
            "supportedFieldTypeDetails": {
               "v1": {
                  "fieldLengthRange": {
                     "maximum": number,
                     "minimum": number
                  },
                  "fieldType": "string",
                  "fieldValueRange": {
                     "maximum": number,
                     "minimum": number
                  },
                  "filterOperators": [ "string" ],
                  "supportedDateFormat": "string",
                  "supportedValues": [ "string" ],
                  "valueRegexPattern": "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.

connectorEntityFields

Describes the fields for that connector entity. For example, for an *account* entity, the fields would be *account name*, *account ID*, and so on.

Type: Array of ConnectorEntityField objects

Errors

For information about the errors that are common to all actions, see Common Errors.

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

DescribeConnectorEntity example

This example shows a sample request and response for the `DescribeConnectorEntity` API

Sample Request

```
{
  "connectorEntityName": "tickets",
  "connectorProfileName": "connector_profile_name",
  "connectorType": "Zendesk"
}
```

Sample Response

```
{
  "connectorEntityFields": [
    {
      "description": "Account ID",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": [
          "UPDATE",
          "UPSERT"
        ]
      },
      "identifier": "Id",
      "label": "Account ID",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "id",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
```

```
        }
      }
    },
    {
      "description": "Deleted",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "IsDeleted",
      "label": "Deleted",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "boolean",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": [
            "true",
            "false"
          ]
        }
      }
    },
    {
      "description": "Master Record ID",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "MasterRecordId",
      "label": "Master Record ID",
      "sourceProperties": {
        "isQueryable": true,
```

```
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Account Name",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": false,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Name",
      "label": "Account Name",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Account Type",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
```

```
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Type",
      "label": "Account Type",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Parent Account ID",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "ParentId",
      "label": "Parent Account ID",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
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            "LESS_THAN",
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            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO"
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        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
```

```
      },
      "identifier": "LastModifiedById",
      "label": "Last Modified By ID",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "System Modstamp",
      "destinationProperties": {
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        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "SystemModstamp",
      "label": "System Modstamp",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "datetime",
          "filterOperators": [
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO",
            "BETWEEN"
          ],
          "supportedValues": []
```

```
        }
      }
    },
    {
      "description": "Last Activity",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
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      "identifier": "LastActivityDate",
      "label": "Last Activity",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "date",
          "filterOperators": [
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO",
            "BETWEEN"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Last Viewed Date",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "LastViewedDate",
      "label": "Last Viewed Date",
```

```
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "datetime",
          "filterOperators": [
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO",
            "BETWEEN"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Last Referenced Date",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "LastReferencedDate",
      "label": "Last Referenced Date",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "datetime",
          "filterOperators": [
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO",
            "BETWEEN"
```

```
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Data.com Key",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Jigsaw",
      "label": "Data.com Key",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Jigsaw Company ID",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "JigsawCompanyId",
      "label": "Jigsaw Company ID",
      "sourceProperties": {
```

```
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Clean Status",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "CleanStatus",
      "label": "Clean Status",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Account Source",
      "destinationProperties": {
        "isCreatable": true,
```

```
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "AccountSource",
      "label": "Account Source",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "D-U-N-S Number",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "DunsNumber",
      "label": "D-U-N-S Number",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
```

```
          "supportedValues": []
        }
      }
    },
    {
      "description": "Tradestyle",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Tradestyle",
      "label": "Tradestyle",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "NAICS Code",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "NaicsCode",
      "label": "NAICS Code",
      "sourceProperties": {
        "isQueryable": true,
```

```
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "NAICS Description",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "NaicsDesc",
      "label": "NAICS Description",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Year Started",
      "destinationProperties": {
```

```
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "YearStarted",
      "label": "Year Started",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "SIC Description",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "SicDesc",
      "label": "SIC Description",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
```

```
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "D&B Company ID",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "DandbCompanyId",
      "label": "D&B Company ID",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Operating Hour ID",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "OperatingHoursId",
      "label": "Operating Hour ID",
      "sourceProperties": {
```

```
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Customer Priority",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "CustomerPriority__c",
      "label": "Customer Priority",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "SLA",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
```

```
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "SLA__c",
      "label": "SLA",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Active",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Active__c",
      "label": "Active",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
```

```
    {
      "description": "Number of Locations",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "NumberofLocations__c",
      "label": "Number of Locations",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "double",
          "filterOperators": [
            "NOT_EQUAL_TO",
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Upsell Opportunity",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "UpsellOpportunity__c",
      "label": "Upsell Opportunity",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
```

```
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "SLA Serial Number",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "SLASerialNumber__c",
      "label": "SLA Serial Number",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "SLA Expiration Date",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
```

```
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "SLAExpirationDate__c",
      "label": "SLA Expiration Date",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "date",
          "filterOperators": [
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO",
            "BETWEEN"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "extId",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": [
          "UPSERT"
        ]
      },
      "identifier": "extId__c",
      "label": "extId",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
```

```
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    }
  ]
}
```

See Also

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

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

DescribeConnectorProfiles

Returns a list of `connector-profile` details matching the provided `connector-profile` names and `connector-types`. Both input lists are optional, and you can use them to filter the result.

If no names or `connector-types` are provided, returns all connector profiles in a paginated form. If there is no match, this operation returns an empty list.

Request Syntax

```
POST /describe-connector-profiles HTTP/1.1
Content-type: application/json

{
   "connectorLabel": "string",
   "connectorProfileNames": [ "string" ],
   "connectorType": "string",
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

connectorLabel

The name of the connector. The name is unique for each `ConnectorRegistration` in your AWS account. Only needed if calling for CUSTOMCONNECTOR connector type/.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorProfileNames

The name of the connector profile. The name is unique for each `ConnectorProfile` in the AWS account.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

maxResults

Specifies the maximum number of items that should be returned in the result set. The default for `maxResults` is 20 (for all paginated API operations).

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "connectorProfileDetails": [
      {
         "connectionMode": "string",
         "connectorLabel": "string",
         "connectorProfileArn": "string",
         "connectorProfileName": "string",
         "connectorProfileProperties": {
            "Amplitude": {
            },
            "CustomConnector": {
               "oAuth2Properties": {
                  "oAuth2GrantType": "string",
                  "tokenUrl": "string",
                  "tokenUrlCustomProperties": {
                     "string" : "string"
                  }
               },
               "profileProperties": {
                  "string" : "string"
               }
            },
            "Datadog": {
               "instanceUrl": "string"
            },
            "Dynatrace": {
               "instanceUrl": "string"
            },
            "GoogleAnalytics": {
            },
            "Honeycode": {
            },
            "InforNexus": {
               "instanceUrl": "string"
```

```
            },
            "Marketo": {
               "instanceUrl": "string"
            },
            "Pardot": {
               "businessUnitId": "string",
               "instanceUrl": "string",
               "isSandboxEnvironment": boolean
            },
            "Redshift": {
               "bucketName": "string",
               "bucketPrefix": "string",
               "clusterIdentifier": "string",
               "dataApiRoleArn": "string",
               "databaseName": "string",
               "databaseUrl": "string",
               "isRedshiftServerless": boolean,
               "roleArn": "string",
               "workgroupName": "string"
            },
            "Salesforce": {
               "instanceUrl": "string",
               "isSandboxEnvironment": boolean,
               "usePrivateLinkForMetadataAndAuthorization": boolean
            },
            "SAPOData": {
               "applicationHostUrl": "string",
               "applicationServicePath": "string",
               "clientNumber": "string",
               "disableSSO": boolean,
               "logonLanguage": "string",
               "oAuthProperties": {
                  "authCodeUrl": "string",
                  "oAuthScopes": [ "string" ],
                  "tokenUrl": "string"
               },
               "portNumber": number,
               "privateLinkServiceName": "string"
            },
            "ServiceNow": {
               "instanceUrl": "string"
            },
            "Singular": {
            },
```

```
            "Slack": {
               "instanceUrl": "string"
            },
            "Snowflake": {
               "accountName": "string",
               "bucketName": "string",
               "bucketPrefix": "string",
               "privateLinkServiceName": "string",
               "region": "string",
               "stage": "string",
               "warehouse": "string"
            },
            "Trendmicro": {
            },
            "Veeva": {
               "instanceUrl": "string"
            },
            "Zendesk": {
               "instanceUrl": "string"
            }
         },
         "connectorType": "string",
         "createdAt": number,
         "credentialsArn": "string",
         "lastUpdatedAt": number,
         "privateConnectionProvisioningState": {
            "failureCause": "string",
            "failureMessage": "string",
            "status": "string"
         }
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

connectorProfileDetails

Returns information about the connector profiles associated with the flow.

Type: Array of ConnectorProfile objects

nextToken

The pagination token for the next page of data. If `nextToken=null`, this means that all records have been fetched.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

DescribeConnectorProfiles example

This example shows a sample request and response for the `DescribeConnectorProfiles` API.

Sample Request

```
{
  "connectorProfileNames": ["OldMarketoProfile","non-existing-name"],
  "connectorTypes": ["Marketo","Salesforce"]
}
```

Sample Response

```
{
  "connectorProfileDetails": [
    {
      "arn": "arn:aws:appflow:region:<AccountId>:connectorprofile/OldMarketoProfile",
      "configuration": {
        "api_version": "v1",
        "connection_mode": "Public",
        "credentials_arn": "arn:aws:secretsmanager:region:<AccountId>:secret:<secret>",
        "instanceUrl": "MarketoUrl"
      },
      "connectionMode": "Public",
      "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
OldMarketoProfile",
      "connectorProfileName": "OldMarketoProfile",
      "connectorProfileProps": {
        "Amplitude": null,
        "Datadog": null,
        "Dynatrace": null,
        "GoogleAnalytics": null,
        "InforNexus": null,
        "Marketo": {
          "apiVersion": "v1",
          "instanceUrl": "MarketoUrl"
        },
        "Redshift": null,
        "Salesforce": null,
        "ServiceNow": null,
        "Singular": null,
        "Slack": null,
        "Snowflake": null,
        "Trendmicro": null,
        "Veeva": null,
        "Zendesk": null
      },
      "connectorType": "Marketo",
      "createdAt": "created_at_value",
      "credentialsArn": "arn:aws:secretsmanager:region:<AccountId>:secret:<secret>",
      "label": "OldMarketoProfile",
      "lastUpdated": "lastupdated_value",
      "lastUpdatedAt": "lastupdated_at_value"
    }
  ],
```

```
  "nextToken": null
}
```

DescribeConnectorProfiles example

This example shows a sample request and response for the `DescribeConnectorProfiles` API.

Sample Request

```
{
   "connectorProfileNames": ["OldMarketoProfile", "non-existing-name"],
   "connectorTypes": ["Marketo", "Salesforce", "CustomConnector"],
   "connectorLabel": "MyCustomConnectorLabel"
}
```

Sample Response

```
{
  "connectorProfileDetails": [
    {
      "arn": "arn:aws:appflow:region:<AccountId>:connectorprofile/OldMarketoProfile",
      "configuration":
      {
        "api_version": "v1",
        "connection_mode": "Public",
        "credentials_arn": "arn:aws:secretsmanager:region:<AccountId>:secret:<secret>",
        "instanceUrl": "MarketoUrl"
      },
      "connectionMode": "Public",
      "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
OldMarketoProfile",
      "connectorProfileName": "OldMarketoProfile",
      "connectorProfileProps":
      {
        "Amplitude": null,
        "Datadog": null,
        "Dynatrace": null,
        "GoogleAnalytics": null,
        "InforNexus": null,
        "Marketo":
        {
          "apiVersion": "v1",
          "instanceUrl": "MarketoUrl"
```

```
        },
        "Redshift": null,
        "Salesforce": null,
        "ServiceNow": null,
        "Singular": null,
        "Slack": null,
        "Snowflake": null,
        "Trendmicro": null,
        "Veeva": null,
        "Zendesk": null
      },
      "connectorType": "Marketo",
      "createdAt": "2022-02-22T15:31:41.467000-08:00",
      "credentialsArn": "arn:aws:secretsmanager:region:<AccountId>:secret:<secret>",
      "label": "OldMarketoProfile",
      "lastUpdatedAt": "2022-02-22T15:31:41.467000-08:00"
    }
  ],
  "nextToken": null
}
```

See Also

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

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

DescribeConnectors

Describes the connectors vended by Amazon AppFlow for specified connector types. If you don't specify a connector type, this operation describes all connectors vended by Amazon AppFlow. If there are more connectors than can be returned in one page, the response contains a `nextToken` object, which can be be passed in to the next call to the `DescribeConnectors` API operation to retrieve the next page.

Request Syntax

```
POST /describe-connectors HTTP/1.1
Content-type: application/json

{
   "connectorTypes": [ "string" ],
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

connectorTypes

The type of connector, such as Salesforce, Amplitude, and so on.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

maxResults

The maximum number of items that should be returned in the result set. The default is 20.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "connectorConfigurations": {
      "string" : {
         "authenticationConfig": {
            "customAuthConfigs": [
               {
                  "authParameters": [
                     {
                        "connectorSuppliedValues": [ "string" ],
                        "description": "string",
                        "isRequired": boolean,
                        "isSensitiveField": boolean,
                        "key": "string",
                        "label": "string"
                     }
                  ],
```

```
                "customAuthenticationType": "string"
            }
        ],
        "isApiKeyAuthSupported": boolean,
        "isBasicAuthSupported": boolean,
        "isCustomAuthSupported": boolean,
        "isOAuth2Supported": boolean,
        "oAuth2Defaults": {
            "authCodeUrls": [ "string" ],
            "oauth2CustomProperties": [
                {
                    "connectorSuppliedValues": [ "string" ],
                    "description": "string",
                    "isRequired": boolean,
                    "isSensitiveField": boolean,
                    "key": "string",
                    "label": "string",
                    "type": "string"
                }
            ],
            "oauth2GrantTypesSupported": [ "string" ],
            "oauthScopes": [ "string" ],
            "tokenUrls": [ "string" ]
        }
    },
    "canUseAsDestination": boolean,
    "canUseAsSource": boolean,
    "connectorArn": "string",
    "connectorDescription": "string",
    "connectorLabel": "string",
    "connectorMetadata": {
        "Amplitude": {
        },
        "CustomerProfiles": {
        },
        "Datadog": {
        },
        "Dynatrace": {
        },
        "EventBridge": {
        },
        "GoogleAnalytics": {
            "oAuthScopes": [ "string" ]
        },
```

```
            "Honeycode": {
               "oAuthScopes": [ "string" ]
            },
            "InforNexus": {
            },
            "Marketo": {
            },
            "Pardot": {
            },
            "Redshift": {
            },
            "S3": {
            },
            "Salesforce": {
               "dataTransferApis": [ "string" ],
               "oauth2GrantTypesSupported": [ "string" ],
               "oAuthScopes": [ "string" ]
            },
            "SAPOData": {
            },
            "ServiceNow": {
            },
            "Singular": {
            },
            "Slack": {
               "oAuthScopes": [ "string" ]
            },
            "Snowflake": {
               "supportedRegions": [ "string" ]
            },
            "Trendmicro": {
            },
            "Upsolver": {
            },
            "Veeva": {
            },
            "Zendesk": {
               "oAuthScopes": [ "string" ]
            }
         },
         "connectorModes": [ "string" ],
         "connectorName": "string",
         "connectorOwner": "string",
         "connectorProvisioningConfig": {
```

```
            "lambda": {
               "lambdaArn": "string"
            }
         },
         "connectorProvisioningType": "string",
         "connectorRuntimeSettings": [
            {
               "connectorSuppliedValueOptions": [ "string" ],
               "dataType": "string",
               "description": "string",
               "isRequired": boolean,
               "key": "string",
               "label": "string",
               "scope": "string"
            }
         ],
         "connectorType": "string",
         "connectorVersion": "string",
         "isPrivateLinkEnabled": boolean,
         "isPrivateLinkEndpointUrlRequired": boolean,
         "logoURL": "string",
         "registeredAt": number,
         "registeredBy": "string",
         "supportedApiVersions": [ "string" ],
         "supportedDataTransferApis": [
            {
               "Name": "string",
               "Type": "string"
            }
         ],
         "supportedDataTransferTypes": [ "string" ],
         "supportedDestinationConnectors": [ "string" ],
         "supportedOperators": [ "string" ],
         "supportedSchedulingFrequencies": [ "string" ],
         "supportedTriggerTypes": [ "string" ],
         "supportedWriteOperations": [ "string" ]
      }
   },
   "connectors": [
      {
         "applicationType": "string",
         "connectorDescription": "string",
         "connectorLabel": "string",
         "connectorModes": [ "string" ],
```

```
        "connectorName": "string",
        "connectorOwner": "string",
        "connectorProvisioningType": "string",
        "connectorType": "string",
        "connectorVersion": "string",
        "registeredAt": number,
        "registeredBy": "string",
        "supportedDataTransferTypes": [ "string" ]
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

connectorConfigurations

The configuration that is applied to the connectors used in the flow.

Type: String to ConnectorConfiguration object map

Valid Keys: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

connectors

Information about the connectors supported in Amazon AppFlow.

Type: Array of ConnectorDetail objects

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

DescribeConnectors example

This example shows a sample request and response for the `DescribeConnectors` API using Marketo and Salesforce. The second sample shows how to proceed if you receive `nextToken`.

Sample Request

```
{
  "connectorTypes": ["Marketo","Salesforce"]
}
```

```
{
  "connectorTypes": ["Marketo","Salesforce"],
  "nextToken": "nextToken_value"
}
```

Sample Response

```
{
  "connectorConfigurations": {
    "Marketo": {
```

```
        "canUseAsDestination": false,
        "canUseAsSource": true,
        "compatibleConnectors": [
          "S3",
          "Snowflake",
          "Salesforce",
          "Redshift"
        ],
        "connectorMetadata": {
          "Amplitude": null,
          "Datadog": null,
          "Dynatrace": null,
          "GoogleAnalytics": null,
          "InforNexus": null,
          "Marketo": {},
          "Redshift": null,
          "S3": null,
          "Salesforce": null,
          "ServiceNow": null,
          "Singular": null,
          "Slack": null,
          "Snowflake": null,
          "Trendmicro": null,
          "Veeva": null,
          "Zendesk": null
        },
        "connectorSpecificConfiguration": {
          "api_version": "v1"
        },
        "credentialKeys": [
          "accessToken",
          "clientId",
          "clientSecret"
        ],
        "displayName": "Marketo",
        "hasLogoImage": false,
        "isPrivateLinkEnabled": false,
        "isPrivateLinkEndpointUrlRequired": false,
        "privateLinkEndpointServiceUrl": null,
        "supportedDestinationConnectors": [
          "S3",
          "Snowflake",
          "Salesforce",
          "Redshift"
```

```
      ],
      "supportedFrequencies": [
        "Hour",
        "Day",
        "Week",
        "Month",
        "Once"
      ],
      "supportedRegions": null,
      "supportedSchedulingFrequencies": [
        "Hour",
        "Day",
        "Week",
        "Month",
        "Once"
      ],
      "supportedTriggerTypes": [
        "Scheduled",
        "OnDemand"
      ],
      "supportedTriggers": [
        "Scheduled",
        "OnDemand"
      ]
    },
    "Salesforce": {
      "canUseAsDestination": true,
      "canUseAsSource": true,
      "compatibleConnectors": [
        "S3",
        "Snowflake",
        "Redshift",
        "Salesforce"
      ],
      "connectorMetadata": {
        "Amplitude": null,
        "Datadog": null,
        "Dynatrace": null,
        "GoogleAnalytics": null,
        "InforNexus": null,
        "Marketo": null,
        "Redshift": null,
        "S3": null,
        "Salesforce": {
```

```
          "authScopes": [
            "api",
            "refresh_token",
            "id"
          ]
        },
        "ServiceNow": null,
        "Singular": null,
        "Slack": null,
        "Snowflake": null,
        "Trendmicro": null,
        "Veeva": null,
        "Zendesk": null
      },
      "connectorSpecificConfiguration": {
        "api_version": "v47.0",
        "auth_scopes": "[api, refresh_token, id]",
        "bulk_api_path": "services/data",
        "query_api_path": "query",
        "sobject_api_path": "sobjects"
      },
      "credentialKeys": [
        "accessToken",
        "refreshToken",
        "clientId",
        "clientSecret"
      ],
      "displayName": "Salesforce",
      "hasLogoImage": false,
      "isPrivateLinkEnabled": false,
      "isPrivateLinkEndpointUrlRequired": false,
      "privateLinkEndpointServiceUrl": null,
      "supportedDestinationConnectors": [
        "S3",
        "Snowflake",
        "Redshift",
        "Salesforce"
      ],
      "supportedFrequencies": [
        "Minute",
        "Hour",
        "Day",
        "Week",
        "Month",
```

```
        "Once"
      ],
      "supportedRegions": null,
      "supportedSchedulingFrequencies": [
        "Minute",
        "Hour",
        "Day",
        "Week",
        "Month",
        "Once"
      ],
      "supportedTriggerTypes": [
        "Scheduled",
        "OnDemand",
        "Event"
      ],
      "supportedTriggers": [
        "Scheduled",
        "OnDemand",
        "Event"
      ]
    }
  },
  "nextToken": null,
  "pageToken": null
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeFlow

Provides a description of the specified flow.

Request Syntax

```
POST /describe-flow HTTP/1.1
Content-type: application/json

{
   "flowName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

Response Syntax

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

{
   "createdAt": number,
   "createdBy": "string",
   "description": "string",
```

```
   "destinationFlowConfigList": [
      {
         "apiVersion": "string",
         "connectorProfileName": "string",
         "connectorType": "string",
         "destinationConnectorProperties": {
            "CustomConnector": {
               "customProperties": {
                  "string" : "string"
               },
               "entityName": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "idFieldNames": [ "string" ],
               "writeOperationType": "string"
            },
            "CustomerProfiles": {
               "domainName": "string",
               "objectTypeName": "string"
            },
            "EventBridge": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "object": "string"
            },
            "Honeycode": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "object": "string"
            },
            "LookoutMetrics": {
            },
            "Marketo": {
               "errorHandlingConfig": {
                  "bucketName": "string",
```

```
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "object": "string"
        },
        "Redshift": {
            "bucketPrefix": "string",
            "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "intermediateBucketName": "string",
            "object": "string"
        },
        "S3": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "s3OutputFormatConfig": {
                "aggregationConfig": {
                    "aggregationType": "string",
                    "targetFileSize": number
                },
                "fileType": "string",
                "prefixConfig": {
                    "pathPrefixHierarchy": [ "string" ],
                    "prefixFormat": "string",
                    "prefixType": "string"
                },
                "preserveSourceDataTyping": boolean
            }
        },
        "Salesforce": {
            "dataTransferApi": "string",
            "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
            },
            "idFieldNames": [ "string" ],
            "object": "string",
            "writeOperationType": "string"
        },
        "SAPOData": {
```

```
                "errorHandlingConfig": {
                   "bucketName": "string",
                   "bucketPrefix": "string",
                   "failOnFirstDestinationError": boolean
                },
                "idFieldNames": [ "string" ],
                "objectPath": "string",
                "successResponseHandlingConfig": {
                   "bucketName": "string",
                   "bucketPrefix": "string"
                },
                "writeOperationType": "string"
             },
             "Snowflake": {
                "bucketPrefix": "string",
                "errorHandlingConfig": {
                   "bucketName": "string",
                   "bucketPrefix": "string",
                   "failOnFirstDestinationError": boolean
                },
                "intermediateBucketName": "string",
                "object": "string"
             },
             "Upsolver": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "s3OutputFormatConfig": {
                   "aggregationConfig": {
                      "aggregationType": "string",
                      "targetFileSize": number
                   },
                   "fileType": "string",
                   "prefixConfig": {
                      "pathPrefixHierarchy": [ "string" ],
                      "prefixFormat": "string",
                      "prefixType": "string"
                   }
                }
             },
             "Zendesk": {
                "errorHandlingConfig": {
                   "bucketName": "string",
                   "bucketPrefix": "string",
                   "failOnFirstDestinationError": boolean
```

```
                },
                "idFieldNames": [ "string" ],
                "object": "string",
                "writeOperationType": "string"
            }
        }
    }
],
"flowArn": "string",
"flowName": "string",
"flowStatus": "string",
"flowStatusMessage": "string",
"kmsArn": "string",
"lastRunExecutionDetails": {
    "mostRecentExecutionMessage": "string",
    "mostRecentExecutionStatus": "string",
    "mostRecentExecutionTime": number
},
"lastRunMetadataCatalogDetails": [
    {
        "catalogType": "string",
        "partitionRegistrationOutput": {
            "message": "string",
            "result": "string",
            "status": "string"
        },
        "tableName": "string",
        "tableRegistrationOutput": {
            "message": "string",
            "result": "string",
            "status": "string"
        }
    }
],
"lastUpdatedAt": number,
"lastUpdatedBy": "string",
"metadataCatalogConfig": {
    "glueDataCatalog": {
        "databaseName": "string",
        "roleArn": "string",
        "tablePrefix": "string"
    }
},
"schemaVersion": number,
```

```
    "sourceFlowConfig": {
       "apiVersion": "string",
       "connectorProfileName": "string",
       "connectorType": "string",
       "incrementalPullConfig": {
          "datetimeTypeFieldName": "string"
       },
       "sourceConnectorProperties": {
          "Amplitude": {
             "object": "string"
          },
          "CustomConnector": {
             "customProperties": {
                "string" : "string"
             },
             "dataTransferApi": {
                "Name": "string",
                "Type": "string"
             },
             "entityName": "string"
          },
          "Datadog": {
             "object": "string"
          },
          "Dynatrace": {
             "object": "string"
          },
          "GoogleAnalytics": {
             "object": "string"
          },
          "InforNexus": {
             "object": "string"
          },
          "Marketo": {
             "object": "string"
          },
          "Pardot": {
             "object": "string"
          },
          "S3": {
             "bucketName": "string",
             "bucketPrefix": "string",
             "s3InputFormatConfig": {
                "s3InputFileType": "string"
```

```
            }
         },
         "Salesforce": {
            "dataTransferApi": "string",
            "enableDynamicFieldUpdate": boolean,
            "includeDeletedRecords": boolean,
            "object": "string"
         },
         "SAPOData": {
            "objectPath": "string",
            "paginationConfig": {
               "maxPageSize": number
            },
            "parallelismConfig": {
               "maxParallelism": number
            }
         },
         "ServiceNow": {
            "object": "string"
         },
         "Singular": {
            "object": "string"
         },
         "Slack": {
            "object": "string"
         },
         "Trendmicro": {
            "object": "string"
         },
         "Veeva": {
            "documentType": "string",
            "includeAllVersions": boolean,
            "includeRenditions": boolean,
            "includeSourceFiles": boolean,
            "object": "string"
         },
         "Zendesk": {
            "object": "string"
         }
      }
   },
   "tags": {
      "string" : "string"
   },
```

```
    "tasks": [
       {
          "connectorOperator": {
             "Amplitude": "string",
             "CustomConnector": "string",
             "Datadog": "string",
             "Dynatrace": "string",
             "GoogleAnalytics": "string",
             "InforNexus": "string",
             "Marketo": "string",
             "Pardot": "string",
             "S3": "string",
             "Salesforce": "string",
             "SAPOData": "string",
             "ServiceNow": "string",
             "Singular": "string",
             "Slack": "string",
             "Trendmicro": "string",
             "Veeva": "string",
             "Zendesk": "string"
          },
          "destinationField": "string",
          "sourceFields": [ "string" ],
          "taskProperties": {
             "string" : "string"
          },
          "taskType": "string"
       }
    ],
    "triggerConfig": {
       "triggerProperties": {
          "Scheduled": {
             "dataPullMode": "string",
             "firstExecutionFrom": number,
             "flowErrorDeactivationThreshold": number,
             "scheduleEndTime": number,
             "scheduleExpression": "string",
             "scheduleOffset": number,
             "scheduleStartTime": number,
             "timezone": "string"
          }
       },
       "triggerType": "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.

createdAt

Specifies when the flow was created.

Type: Timestamp

createdBy

The ARN of the user who created the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

description

A description of the flow.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

destinationFlowConfigList

The configuration that controls how Amazon AppFlow transfers data to the destination connector.

Type: Array of DestinationFlowConfig objects

flowArn

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

flowStatusMessage

Contains an error message if the flow status is in a suspended or error state. This applies only to scheduled or event-triggered flows.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\s\w/!@#+=.-]*`

kmsArn

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

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:kms:.*:[0-9]+:.*`

lastRunExecutionDetails

Describes the details of the most recent flow run.

Type: ExecutionDetails object

lastRunMetadataCatalogDetails

Describes the metadata catalog, metadata table, and data partitions that Amazon AppFlow used for the associated flow run.

Type: Array of MetadataCatalogDetail objects

lastUpdatedAt

Specifies when the flow was last updated.

Type: Timestamp

lastUpdatedBy

Specifies the user name of the account that performed the most recent update.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

metadataCatalogConfig

Specifies the configuration that Amazon AppFlow uses when it catalogs the data that's transferred by the associated flow. When Amazon AppFlow catalogs the data from a flow, it stores metadata in a data catalog.

Type: MetadataCatalogConfig object

schemaVersion

The version number of your data schema. Amazon AppFlow assigns this version number. The version number increases by one when you change any of the following settings in your flow configuration:

- Source-to-destination field mappings
- Field data types
- Partition keys

Type: Long

sourceFlowConfig

The configuration that controls how Amazon AppFlow retrieves data from the source connector.

Type: SourceFlowConfig object

tags

The tags used to organize, track, or control access for your flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `[\s\w+-=\.:/@]*`

tasks

A list of tasks that Amazon AppFlow performs while transferring the data in the flow run.

Type: Array of Task objects

triggerConfig

The trigger settings that determine how and when the flow runs.

Type: TriggerConfig object

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

Examples

DescribeFlow example

This example shows a sample request and response for the `DescribeFlow` API.

Sample Request

```
{
  "flowName": "name"
}
```

Sample Response

```
{
  "createdAt": "2022-02-22T15:31:41.467000-08:00",
  "createdBy": "user",
  "description": null,
  "destinationFlowConfigList": [
    {
      "aggregationConfig": null,
      "connectorProfileName": "connector_profile_name",
      "connectorType": "S3",
      "destinationConnectorProps":
      {
        "Redshift": null,
        "S3":
        {
          "bucketKey": null,
          "bucketName": "salesforceaccountflowbucket"
        },
        "Salesforce": null,
        "Snowflake": null
      }
    }
  ],
  "flowArn": "flow_arn_value",
  "flowName": "test_flow_ondemand_10",
  "flowStatus": "Active",
  "flowStatusMessage": null,
  "kmsArn": null,
  "lastRunExecutionDetails": null,
  "lastUpdatedAt": "2022-02-22T15:31:41.467000-08:00",
```

```
  "lastUpdatedBy": "user",
  "sourceFlowConfig":
  {
    "connectorProfileName": "connectorProfileName",
    "connectorType": "Salesforce",
    "sourceConnectorProps":
    {
      "Amplitude": null,
      "Datadog": null,
      "Dynatrace": null,
      "GoogleAnalytics": null,
      "InforNexus": null,
      "Marketo": null,
      "Redshift": null,
      "S3": null,
      "Salesforce":
      {
        "object": "Account"
      },
      "ServiceNow": null,
      "Singular": null,
      "Slack": null,
      "Snowflake": null,
      "Trendmicro": null,
      "Veeva": null,
      "Zendesk": null
    }
  },
  "tags":
  {
    "internalId": "Internal_Id_value",
    "resourceArn": "resource_arn_value"
  },
  "tasks": [
    {
      "connectorOperator": null,
      "destinationField": "Id",
      "operator": "NO_OP",
      "sourceFields": ["Id"],
      "taskProperties":
      {
        "DESTINATION_DATA_TYPE": "id",
        "SOURCE_DATA_TYPE": "id"
      },
```

```
      "taskType": "Mapping"
    },
    {
      "connectorOperator": null,
      "destinationField": "Name",
      "operator": "NO_OP",
      "sourceFields": ["Name"],
      "taskProperties":
      {
        "DESTINATION_DATA_TYPE": "string",
        "SOURCE_DATA_TYPE": "string"
      },
      "taskType": "Mapping"
    },
    {
      "connectorOperator": null,
      "destinationField": null,
      "operator": "PROJECTION",
      "sourceFields": ["Id","Name"],
      "taskProperties":
      {},
      "taskType": "Filtering"
    }
  ],
  "triggerConfig":
  {
    "triggerProps":
    {
      "ScheduledTriggerProps": null
    },
    "triggerType": "OnDemand"
  }
}
```

See Also

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

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

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

DescribeFlowExecutionRecords

Fetches the execution history of the flow.

Request Syntax

```
POST /describe-flow-execution-records HTTP/1.1
Content-type: application/json

{
   "flowName": "string",
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

maxResults

Specifies the maximum number of items that should be returned in the result set. The default for `maxResults` is 20 (for all paginated API operations).

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "flowExecutions": [
      {
         "dataPullEndTime": number,
         "dataPullStartTime": number,
         "executionId": "string",
         "executionResult": {
            "bytesProcessed": number,
            "bytesWritten": number,
            "errorInfo": {
               "executionMessage": "string",
               "putFailuresCount": number
            },
            "maxPageSize": number,
            "numParallelProcesses": number,
            "recordsProcessed": number
         },
         "executionStatus": "string",
         "lastUpdatedAt": number,
         "metadataCatalogDetails": [
            {
               "catalogType": "string",
               "partitionRegistrationOutput": {
                  "message": "string",
```

```
                    "result": "string",
                    "status": "string"
                },
                "tableName": "string",
                "tableRegistrationOutput": {
                    "message": "string",
                    "result": "string",
                    "status": "string"
                }
            }
        ],
        "startedAt": 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.

flowExecutions

Returns a list of all instances when this flow was run.

Type: Array of ExecutionRecord objects

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

DescribeFlowExecutionRecords examples

This example shows sample requests and responses for the `DescribeFlowExecutionRecords` API.

Sample Request

```
{
  "flowName": "name",
  "maxResults": 1
}
```

Sample Response

```
{
  "flowExecutionList": [
    {
      "executionId": "Execution_ID",
      "executionMessage": "Request failed with Trendmicro Status Code 404: , RequestId:
 RequestId_value",
      "executionMetadata":
```

```
      {
        "bytesProcessed": 234,
        "bytesWritten": 0,
        "numFailures": 878,
        "numFilteredRecords": 0,
        "numPutFailures": 978978,
        "reason": null,
        "recordsProcessed": 23342,
        "terminateFlow": false
      },
      "executionResult":
      {
        "bytesProcessed": 234,
        "bytesWritten": 0,
        "errorInfo":
        {
          "executionMessage": "Request failed with Trendmicro Status Code 404: ,
 RequestId: RequestId_value",
          "putFailuresCount": 978978
        },
        "recordsProcessed": 23342
      },
      "executionStartTime": "2022-02-22T15:31:41.467000-08:00",
      "executionStatus": "Error",
      "lastUpdatedAt": "2022-02-22T15:31:41.467000-08:00",
      "startedAt": "2022-02-22T15:31:41.467000-08:00"
    }
  ],
  "nextToken": "next_token_value"
}
```

Sample Request

```
{
  "flowName": "test-new-create",
  "maxResults": 1,
  "nextToken": "next_token_value"
}
```

Sample Response

```
{
  "flowExecutionList": [
```

```
    {
      "executionId": "execution_id_value",
      "executionMessage": "Request failed with Trendmicro Status Code 404: , RequestId:
 RequestId_value",
      "executionMetadata": {
        "bytesProcessed": 234,
        "bytesWritten": 0,
        "numFailures": 0,
        "numFilteredRecords": 0,
        "numPutFailures": 0,
        "reason": null,
        "recordsProcessed": 23342,
        "terminateFlow": false
      },
      "executionResult": {
        "bytesProcessed": 234,
        "bytesWritten": 0,
        "errorInfo": null,
        "recordsProcessed": 23342
      },
      "executionStartTime": "execution_start_time_value",
      "executionStatus": "Successful",
      "lastUpdatedAt": "lastupdated_at_value",
      "lastUpdatedTime": "lastupdated_time_value",
      "startedAt": "started_at_value"
    }
  ],
  "nextToken": "next_token_value"
}
```

Sample Request

```
{
  "flowName": "name",
  "maxResults": 1,
  "nextToken": "next_token_value"
}
```

Sample Response

```
{
  "flowExecutionList": [
    {
```

```
      "executionId": "execution_id_value-delete",
      "executionMessage": "Request failed with Trendmicro Status Code 404: , RequestId:
 RequestId_value",
      "executionMetadata": {
        "bytesProcessed": 0,
        "bytesWritten": 0,
        "numFailures": 0,
        "numFilteredRecords": 0,
        "numPutFailures": 0,
        "reason": null,
        "recordsProcessed": 0,
        "terminateFlow": false
      },
      "executionResult": {
        "bytesProcessed": 0,
        "bytesWritten": 0,
        "errorInfo": {
          "executionMessage": "Request failed with Trendmicro Status Code 404: ,
 RequestId: RequestId_value",
          "putFailuresCount": 0
        },
        "recordsProcessed": 0
      },
      "executionStartTime": "execution_start_time_value",
      "executionStatus": "Error",
      "lastUpdatedAt": "lastupdated_at_value",
      "lastUpdatedTime": "lastupdated_time_value",
      "startedAt": "started_at_value"
    }
  ],
  "nextToken": "next_token_value"
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2

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

ListConnectorEntities

Returns the list of available connector entities supported by Amazon AppFlow. For example, you can query Salesforce for *Account* and *Opportunity* entities, or query ServiceNow for the *Incident* entity.

Request Syntax

```
POST /list-connector-entities HTTP/1.1
Content-type: application/json

{
   "apiVersion": "string",
   "connectorProfileName": "string",
   "connectorType": "string",
   "entitiesPath": "string",
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiVersion

The version of the API that's used by the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorProfileName

The name of the connector profile. The name is unique for each `ConnectorProfile` in the AWS account, and is used to query the downstream connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

entitiesPath

This optional parameter is specific to connector implementation. Some connectors support multiple levels or categories of entities. You can find out the list of roots for such providers by sending a request without the `entitiesPath` parameter. If the connector supports entities at different roots, this initial request returns the list of roots. Otherwise, this request returns all entities supported by the provider.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\s\w/!@#+=,.-]*`

Required: No

maxResults

The maximum number of items that the operation returns in the response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: No

nextToken

A token that was provided by your prior `ListConnectorEntities` operation if the response was too big for the page size. You specify this token to get the next page of results in paginated response.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "connectorEntityMap": {
      "string" : [
         {
            "hasNestedEntities": boolean,
            "label": "string",
            "name": "string"
         }
      ]
   },
   "nextToken": "string"
}
```

Response Elements

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

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

connectorEntityMap

The response of `ListConnectorEntities` lists entities grouped by category. This map's key represents the group name, and its value contains the list of entities belonging to that group.

Type: String to array of ConnectorEntity objects map

Key Length Constraints: Maximum length of 128.

Key Pattern: \S+

nextToken

A token that you specify in your next `ListConnectorEntities` operation to get the next page of results in paginated response. The `ListConnectorEntities` operation provides this token if the response is too big for the page size.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

ListConnectorEntities example

This example shows sample requests and a sample response for the `ListConnectorEntities` API. The second sample request shows a request without the optional `connectorType`).

Sample Request

```
{
  "connectorType": "Slack",
  "connectorProfileName": "vmSlackProfile"
}
```

Sample Request

```
{
  "connectorProfileName": "vmSlackProfile"
}
```

Sample Response

```
{
  "connectorEntityMap":
  {
    "Objects":
    [
        {"hasNestedEntities": true,
        "label": "Conversations","name": "conversations"}
```

```
    ]
  }
}
```

Sample Request

```
{
  "connectorProfileName": "vmSlackProfile",
  "connectorType": "Slack",
  "entitiesPath": "conversations"
}
```

Sample Response

```
{
  "connectorEntityMap":
  {
    "Channels": [
      {
        "hasNestedEntities": false,
        "label": "new-to-slack",
        "name": "conversations/CQCFDC534"
      },
      {
        "hasNestedEntities": false,
        "label": "advising",
        "name": "conversations/CQDSNS2AX"
      },
      {
        "hasNestedEntities": false,
        "label": "general",
        "name": "conversations/CQTFBK48N"
      },
      {
        "hasNestedEntities": false,
        "label": "random",
        "name": "conversations/CQTFBK6CE"
      },
      {
        "hasNestedEntities": false,
        "label": "investing",
        "name": "conversations/CQTFBKDT8"
      },
```

```
        {
          "hasNestedEntities": false,
          "label": "memories",
          "name": "conversations/CS44VCEC9"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-nyc",
          "name": "conversations/CV84P3D7A"
        },
        {
          "hasNestedEntities": false,
          "label": "marketing",
          "name": "conversations/C012DDQRU95"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-phi",
          "name": "conversations/C012DTFRBL7"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-philadelphia",
          "name": "conversations/C012N003VU6"
        },
        {
          "hasNestedEntities": false,
          "label": "lol",
          "name": "conversations/C012NJTMZEJ"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-atlanta",
          "name": "conversations/C012P2739BQ"
        },
        {
          "hasNestedEntities": false,
          "label": "it-support",
          "name": "conversations/C012SRQMLRH"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-nashville",
          "name": "conversations/C012U9TM5DZ"
```

```
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-texas",
          "name": "conversations/C012VHLB63X"
        },
        {
          "hasNestedEntities": false,
          "label": "data",
          "name": "conversations/C012Z3VMA7N"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-san-francisco",
          "name": "conversations/C01308U07HA"
        },
        {
          "hasNestedEntities": false,
          "label": "slack-feedback",
          "name": "conversations/C0131PCV93N"
        },
        {
          "hasNestedEntities": false,
          "label": "home-of-seattle",
          "name": "conversations/C0136MRRQHX"
        },
        {
          "hasNestedEntities": false,
          "label": "operations",
          "name": "conversations/C0136QPJ1KK"
        },
        {
          "hasNestedEntities": false,
          "label": "product",
          "name": "conversations/C0137S730KT"
        },
        {
          "hasNestedEntities": false,
          "label": "dev",
          "name": "conversations/C013HUHSRGQ"
        },
        {
          "hasNestedEntities": false,
          "label": "infra",
```

```
        "name": "conversations/C013KP5TQ2J"
      },
      {
        "hasNestedEntities": false,
        "label": "pets",
        "name": "conversations/C013NTC2L0G"
      },
      {
        "hasNestedEntities": false,
        "label": "founders",
        "name": "conversations/C014M9JBWCU"
      }
    ]
  }
}
```

See Also

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

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

ListConnectors

Returns the list of all registered custom connectors in your AWS account. This API lists only custom connectors registered in this account, not the AWS authored connectors.

Request Syntax

```
POST /list-connectors HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Specifies the maximum number of items that should be returned in the result set. The default for `maxResults` is 20 (for all paginated API operations).

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The pagination token for the next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "connectors": [
      {
         "applicationType": "string",
         "connectorDescription": "string",
         "connectorLabel": "string",
         "connectorModes": [ "string" ],
         "connectorName": "string",
         "connectorOwner": "string",
         "connectorProvisioningType": "string",
         "connectorType": "string",
         "connectorVersion": "string",
         "registeredAt": number,
         "registeredBy": "string",
         "supportedDataTransferTypes": [ "string" ]
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

connectors

Contains information about the connectors supported by Amazon AppFlow.

Type: Array of ConnectorDetail objects

nextToken

The pagination token for the next page of data. If nextToken=null, this means that all records have been fetched.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Listing connectors

This example shows a sample request for the `ListConnector` API and a sample response.

Sample Request

```
{
  "maxResults": 1,
  "nextToken": "nextToken_value"
}
```

Sample Response

```
{
  "connectors":
  [
    {
      "connectorArn": "Arn of connector1",
      "connectorDescription": "Some Sample Connector1",
```

```
      "connectorName": "Salesforce custom connector1",
      "connectorOwner": "AppFlow",
      "connectorVersion": "1.0",
      "applicationType": "Salesforce",
      "connectorType": "CUSTOMCONNECTOR",
      "connectorLabel": "MyCustomConnector",
      "registeredAt": 1628732168.132,
      "registeredBy": "CUSTOM",
      "tags": null,
      "connectorModes":
      [
        "SOURCE",
        "DESTINATION"
      ],
      "connectorProvisioningType": "LAMBDA"
    },
    {
      "connectorArn": "Arn of connector2",
      "connectorDescription": "Some Sample Connector2",
      "connectorName": "Salesforce custom connector2",
      "connectorOwner": "AppFlow",
      "connectorVersion": "1.0",
      "applicationType": "Salesforce",
      "connectorType": "CUSTOMCONNECTOR",
      "connectorLabel": "MyCustomConnector",
      "registeredAt": 1628732168.132,
      "registeredBy": "CUSTOM",
      "tags": null,
      "connectorModes":
      [
        "SOURCE",
        "DESTINATION"
      ],
      "connectorProvisioningType": "LAMBDA"
    }
  ],
  "nextToken": null
}
```

See Also

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

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

ListFlows

Lists all of the flows associated with your account.

Request Syntax

```
POST /list-flows HTTP/1.1
Content-type: application/json

{
   "maxResults": number,
   "nextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

maxResults

Specifies the maximum number of items that should be returned in the result set.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

The pagination token for next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: No

Response Syntax

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

{
   "flows": [
      {
         "createdAt": number,
         "createdBy": "string",
         "description": "string",
         "destinationConnectorLabel": "string",
         "destinationConnectorType": "string",
         "flowArn": "string",
         "flowName": "string",
         "flowStatus": "string",
         "lastRunExecutionDetails": {
            "mostRecentExecutionMessage": "string",
            "mostRecentExecutionStatus": "string",
            "mostRecentExecutionTime": number
         },
         "lastUpdatedAt": number,
         "lastUpdatedBy": "string",
         "sourceConnectorLabel": "string",
         "sourceConnectorType": "string",
         "tags": {
            "string" : "string"
         },
         "triggerType": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

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

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

flows

The list of flows associated with your account.

Type: Array of FlowDefinition objects

nextToken

The pagination token for next page of data.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

ListFlows examples

This example shows a sample request for the `ListFlows` API. In the second sample, note that `MaxResults` will show a number between 1 and 100.

Sample Request

```
{
  "flowList": [
    {
      "createdAt": "created_time_value",
      "createdBy": "arn:aws:iam::<AccountId>:user/BetaTestUser",
      "description": "test flow 1 description",
```

```
      "destinationConnectorType": "S3",
      "destinationConnectorLabel": "MyCustomDestinationConnector",
      "flowArn": "arn:aws:appflow:region:<AccountId>:flow/test-flow-1",
      "flowName": "test-flow-1",
      "flowStatus": "Active",
      "lastRunExecutionDetails":
      {
        "mostRecentExecutionMessage": "Successfully ran the flow",
        "mostRecentExecutionStatus": "Successful",
        "mostRecentExecutionTime": "execution_time_value"
      },
      "lastUpdatedAt": "lastupdated_time_value",
      "lastUpdatedBy": "arn:aws:iam::<AccountId>:user/BetaTestUser",
      "sourceConnectorType": "Salesforce",
      "sourceConnectorLabel": "MyCustomSourceConnector",
      "tags":
      {
        "internalId": "<InternalId>",
        "resourceArn": "arn:aws:appflow:region:<AccountId>:flow/test-flow-1"
      },
      "triggerType": "OnDemand"
    }
  ],
  "nextToken": "next_token_value"
}
```

```
{
  "maxResults": 1
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

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

ListTagsForResource

Retrieves the tags that are associated with a specified flow.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the specified flow.

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags

The tags used to organize, track, or control access for your flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `[\s\w+-=\.:/@]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

See Also

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

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

RegisterConnector

Registers a new custom connector with your AWS account. Before you can register the connector, you must deploy the associated AWS lambda function in your account.

Request Syntax

```
POST /register-connector HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "connectorLabel": "string",
   "connectorProvisioningConfig": {
      "lambda": {
         "lambdaArn": "string"
      }
   },
   "connectorProvisioningType": "string",
   "description": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `RegisterConnector` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `RegisterConnector`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

connectorLabel

The name of the connector. The name is unique for each `ConnectorRegistration` in your AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorProvisioningConfig

The provisioning type of the connector. Currently the only supported value is LAMBDA.

Type: ConnectorProvisioningConfig object

Required: No

connectorProvisioningType

The provisioning type of the connector. Currently the only supported value is LAMBDA.

Type: String

Valid Values: `LAMBDA`

Required: No

description

A description about the connector that's being registered.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

Response Syntax

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

{
   "connectorArn": "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.

connectorArn

The ARN of the connector being registered.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

AppFlow/Requester has invalid or missing permissions.

HTTP Status Code: 403

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

ThrottlingException

API calls have exceeded the maximum allowed API request rate per account and per Region.

HTTP Status Code: 429

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Registering a connector

This example shows a sample request for the `RegisterConnector` API and a sample response.

Sample Request

```
{
  "connectorLabel": "Connector_Label_Value",
  "connectorProvisioningType": "LAMBDA",
  "connectorProvisioningConfig":
  {
    "lambda":
    {
      "lambdaArn": "lambda arn"
    }
  }
}
```

Sample Response

```
{
  "connectorArn": "arn:aws:appflow:region:<AccountId>:connector/Connector_Label"
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

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

ResetConnectorMetadataCache

Resets metadata about your connector entities that Amazon AppFlow stored in its cache. Use this action when you want Amazon AppFlow to return the latest information about the data that you have in a source application.

Amazon AppFlow returns metadata about your entities when you use the ListConnectorEntities or DescribeConnectorEntities actions. Following these actions, Amazon AppFlow caches the metadata to reduce the number of API requests that it must send to the source application. Amazon AppFlow automatically resets the cache once every hour, but you can use this action when you want to get the latest metadata right away.

Request Syntax

```
POST /reset-connector-metadata-cache HTTP/1.1
Content-type: application/json

{
   "apiVersion": "string",
   "connectorEntityName": "string",
   "connectorProfileName": "string",
   "connectorType": "string",
   "entitiesPath": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

apiVersion

The API version that you specified in the connector profile that you're resetting cached metadata for. You must use this parameter only if the connector supports multiple API versions or if the connector type is CustomConnector.

To look up how many versions a connector supports, use the DescribeConnectors action. In the response, find the value that Amazon AppFlow returns for the connectorVersion parameter.

To look up the connector type, use the DescribeConnectorProfiles action. In the response, find the value that Amazon AppFlow returns for the connectorType parameter.

To look up the API version that you specified in a connector profile, use the DescribeConnectorProfiles action.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorEntityName

Use this parameter if you want to reset cached metadata about the details for an individual entity.

If you don't include this parameter in your request, Amazon AppFlow only resets cached metadata about entity names, not entity details.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: \S+

Required: No

connectorProfileName

The name of the connector profile that you want to reset cached metadata for.

You can omit this parameter if you're resetting the cache for any of the following connectors: Amazon Connect, Amazon EventBridge, Amazon Lookout for Metrics, Amazon S3, or Upsolver. If you're resetting the cache for any other connector, you must include this parameter in your request.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

connectorType

The type of connector to reset cached metadata for.

You must include this parameter in your request if you're resetting the cache for any of the following connectors: Amazon Connect, Amazon EventBridge, Amazon Lookout for Metrics, Amazon S3, or Upsolver. If you're resetting the cache for any other connector, you can omit this parameter from your request.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

entitiesPath

Use this parameter only if you're resetting the cached metadata about a nested entity. Only some connectors support nested entities. A nested entity is one that has another entity as a parent. To use this parameter, specify the name of the parent entity.

To look up the parent-child relationship of entities, you can send a ListConnectorEntities request that omits the entitiesPath parameter. Amazon AppFlow will return a list of top-level entities. For each one, it indicates whether the entity has nested entities. Then, in a subsequent ListConnectorEntities request, you can specify a parent entity name for the entitiesPath parameter. Amazon AppFlow will return a list of the child entities for that parent.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\s\w/!@#+=,.-]*`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Reset cache of entity names

The following example shows the request body for a call to reset the cached metadata for entity names.

Sample Request

```
{
   "apiVersion": "v1.0",
   "connectorProfileName": "MyCustomConnector"
}
```

Sample Response

```
{}
```

Reset cache of entity details

The following example shows the request body for a call to reset the cached metadata about the details for a specific entity.

Sample Request

```
{
   "apiVersion": "v1.0",
   "connectorProfileName": "MyCustomConnector",
   "connectorEntityName": "EntityName"
}
```

Sample Response

```
{}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

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

StartFlow

Activates an existing flow. For on-demand flows, this operation runs the flow immediately. For schedule and event-triggered flows, this operation activates the flow.

Request Syntax

```
POST /start-flow HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "flowName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `StartFlow` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs for flows that run on a schedule or based on an event. However, the error doesn't occur for flows that run on demand. You set the conditions that initiate your flow for the `triggerConfig` parameter.

If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `StartFlow`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

Response Syntax

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

{
   "executionId": "string",
   "flowArn": "string",
   "flowStatus": "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.

executionId

Returns the internal execution ID of an on-demand flow when the flow is started. For scheduled or event-triggered flows, this value is null.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

flowArn

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

Examples

StartFlow example

This example shows a sample request and response for the `StartFlow` API.

Sample Request

```
{
  "flowName": "name"
}
```

Sample Response

```
{
  "flowArn": "arn:aws:appflow:region:<AccountId>:flow/test_flow_ondemand_1",
  "flowStatus": "Active"
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

StopFlow

Deactivates the existing flow. For on-demand flows, this operation returns an `unsupportedOperationException` error message. For schedule and event-triggered flows, this operation deactivates the flow.

Request Syntax

```
POST /stop-flow HTTP/1.1
Content-type: application/json

{
   "flowName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

Response Syntax

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

```
{
   "flowArn": "string",
   "flowStatus": "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.

flowArn

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

UnsupportedOperationException

The requested operation is not supported for the current flow.

HTTP Status Code: 400

Examples

StopFlow example

This example shows a sample request and response for the `StopFlow` API.

Sample Request

```
{
  "flowName": "name"
}
```

Sample Response

```
{
  "flowArn": "arn:aws:appflow:region:<AccountId>:flow/test_flow_ondemand_1",
  "flowStatus": "Suspended"
}
```

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

TagResource

Applies a tag to the specified flow.

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

The Amazon Resource Name (ARN) of the flow that you want to tag.

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The tags used to organize, track, or control access for your flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `[\s\w+-=\.:/@]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

See Also

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

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

UnregisterConnector

Unregisters the custom connector registered in your account that matches the connector label provided in the request.

Request Syntax

```
POST /unregister-connector HTTP/1.1
Content-type: application/json

{
   "connectorLabel": "string",
   "forceDelete": boolean
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

connectorLabel

The label of the connector. The label is unique for each `ConnectorRegistration` in your AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

forceDelete

Indicates whether Amazon AppFlow should unregister the connector, even if it is currently in use in one or more connector profiles. The default value is false.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

Examples

Unregister connectors

This example shows a sample request for the `UnregisterConnector` API and a sample response.

Sample Request

```
{
  "connectorLabel": "MySampleCustomConnector",
  "forceDelete": true
}
```

```
{
  "message": "Conflict executing request: Connector: MySampleCustomConnector is
 associated with one or more connector profiles. If you still want to *delete*
 it, *then* make *delete* request *with* forceDelete flag *as* true. *Some* of the
 associated connector profiles are: [myTestProfile1, myTestProfile2]"
}
```

See Also

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

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

UntagResource

Removes a tag from the specified flow.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the flow that you want to untag.

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: Yes

tagKeys

The tag keys associated with the tag that you want to remove from your flow.

Array Members: Minimum number of 0 items. Maximum number of 50 items.

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

Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Errors.

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateConnectorProfile

Updates a given connector profile associated with your account.

Request Syntax

```
POST /update-connector-profile HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "connectionMode": "string",
   "connectorProfileConfig": {
      "connectorProfileCredentials": {
         "Amplitude": {
            "apiKey": "string",
            "secretKey": "string"
         },
         "CustomConnector": {
            "apiKey": {
               "apiKey": "string",
               "apiSecretKey": "string"
            },
            "authenticationType": "string",
            "basic": {
               "password": "string",
               "username": "string"
            },
            "custom": {
               "credentialsMap": {
                  "string" : "string"
               },
               "customAuthenticationType": "string"
            },
            "oauth2": {
               "accessToken": "string",
               "clientId": "string",
               "clientSecret": "string",
               "oAuthRequest": {
                  "authCode": "string",
                  "redirectUri": "string"
               },
               "refreshToken": "string"
```

```
            }
        },
        "Datadog": {
            "apiKey": "string",
            "applicationKey": "string"
        },
        "Dynatrace": {
            "apiToken": "string"
        },
        "GoogleAnalytics": {
            "accessToken": "string",
            "clientId": "string",
            "clientSecret": "string",
            "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
            },
            "refreshToken": "string"
        },
        "Honeycode": {
            "accessToken": "string",
            "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
            },
            "refreshToken": "string"
        },
        "InforNexus": {
            "accessKeyId": "string",
            "datakey": "string",
            "secretAccessKey": "string",
            "userId": "string"
        },
        "Marketo": {
            "accessToken": "string",
            "clientId": "string",
            "clientSecret": "string",
            "oAuthRequest": {
                "authCode": "string",
                "redirectUri": "string"
            }
        },
        "Pardot": {
            "accessToken": "string",
```

```
            "clientCredentialsArn": "string",
            "oAuthRequest": {
               "authCode": "string",
               "redirectUri": "string"
            },
            "refreshToken": "string"
         },
         "Redshift": {
            "password": "string",
            "username": "string"
         },
         "Salesforce": {
            "accessToken": "string",
            "clientCredentialsArn": "string",
            "jwtToken": "string",
            "oAuth2GrantType": "string",
            "oAuthRequest": {
               "authCode": "string",
               "redirectUri": "string"
            },
            "refreshToken": "string"
         },
         "SAPOData": {
            "basicAuthCredentials": {
               "password": "string",
               "username": "string"
            },
            "oAuthCredentials": {
               "accessToken": "string",
               "clientId": "string",
               "clientSecret": "string",
               "oAuthRequest": {
                  "authCode": "string",
                  "redirectUri": "string"
               },
               "refreshToken": "string"
            }
         },
         "ServiceNow": {
            "oAuth2Credentials": {
               "accessToken": "string",
               "clientId": "string",
               "clientSecret": "string",
               "oAuthRequest": {
```

```
                "authCode": "string",
                "redirectUri": "string"
            },
            "refreshToken": "string"
        },
        "password": "string",
        "username": "string"
    },
    "Singular": {
        "apiKey": "string"
    },
    "Slack": {
        "accessToken": "string",
        "clientId": "string",
        "clientSecret": "string",
        "oAuthRequest": {
            "authCode": "string",
            "redirectUri": "string"
        }
    },
    "Snowflake": {
        "password": "string",
        "username": "string"
    },
    "Trendmicro": {
        "apiSecretKey": "string"
    },
    "Veeva": {
        "password": "string",
        "username": "string"
    },
    "Zendesk": {
        "accessToken": "string",
        "clientId": "string",
        "clientSecret": "string",
        "oAuthRequest": {
            "authCode": "string",
            "redirectUri": "string"
        }
    }
},
"connectorProfileProperties": {
    "Amplitude": {
    },
```

```
        "CustomConnector": {
           "oAuth2Properties": {
              "oAuth2GrantType": "string",
              "tokenUrl": "string",
              "tokenUrlCustomProperties": {
                 "string" : "string"
              }
           },
           "profileProperties": {
              "string" : "string"
           }
        },
        "Datadog": {
           "instanceUrl": "string"
        },
        "Dynatrace": {
           "instanceUrl": "string"
        },
        "GoogleAnalytics": {
        },
        "Honeycode": {
        },
        "InforNexus": {
           "instanceUrl": "string"
        },
        "Marketo": {
           "instanceUrl": "string"
        },
        "Pardot": {
           "businessUnitId": "string",
           "instanceUrl": "string",
           "isSandboxEnvironment": boolean
        },
        "Redshift": {
           "bucketName": "string",
           "bucketPrefix": "string",
           "clusterIdentifier": "string",
           "dataApiRoleArn": "string",
           "databaseName": "string",
           "databaseUrl": "string",
           "isRedshiftServerless": boolean,
           "roleArn": "string",
           "workgroupName": "string"
        },
```

```
        "Salesforce": {
           "instanceUrl": "string",
           "isSandboxEnvironment": boolean,
           "usePrivateLinkForMetadataAndAuthorization": boolean
        },
        "SAPOData": {
           "applicationHostUrl": "string",
           "applicationServicePath": "string",
           "clientNumber": "string",
           "disableSSO": boolean,
           "logonLanguage": "string",
           "oAuthProperties": {
              "authCodeUrl": "string",
              "oAuthScopes": [ "string" ],
              "tokenUrl": "string"
           },
           "portNumber": number,
           "privateLinkServiceName": "string"
        },
        "ServiceNow": {
           "instanceUrl": "string"
        },
        "Singular": {
        },
        "Slack": {
           "instanceUrl": "string"
        },
        "Snowflake": {
           "accountName": "string",
           "bucketName": "string",
           "bucketPrefix": "string",
           "privateLinkServiceName": "string",
           "region": "string",
           "stage": "string",
           "warehouse": "string"
        },
        "Trendmicro": {
        },
        "Veeva": {
           "instanceUrl": "string"
        },
        "Zendesk": {
           "instanceUrl": "string"
        }
```

```
        }
    },
    "connectorProfileName": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `UpdateConnectorProfile` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `UpdateConnectorProfile`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

connectionMode

Indicates the connection mode and if it is public or private.

Type: String

Valid Values: `Public | Private`

Required: Yes

connectorProfileConfig

Defines the connector-specific profile configuration and credentials.

Type: ConnectorProfileConfig object

Required: Yes

connectorProfileName

The name of the connector profile and is unique for each `ConnectorProfile` in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: Yes

Response Syntax

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

{
   "connectorProfileArn": "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.

connectorProfileArn

The Amazon Resource Name (ARN) of the connector profile.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

UpdateConnectorProfile example using Salesforce

This example shows a sample request and response for the `UpdateConnectorProfile` API using Salesforce.

Sample Request

```
{
  "connectorProfileName": "Connector_Profile_Name_value",
  "kmsArn": null,
  "connectorType": "Salesforce",
  "connectionMode": "Public",
  "connectorProfileConfig":
  {
    "connectorProfileProperties":
    {
      "salesforce":
      {
        "instanceUrl": "Instance_url_value",
        "isSandboxEnvironment": false
      }
    },
    "connectorProfileCredentials":
    {
      "salesforce":
      {
        "accessToken": "<AccessToken>",
        "refreshToken": "<RefreshToken>",
        "oauthRequest":
        {
          "authCode": null,
          "redirectUri": null
        }
      }
    }
  }
}
```

Sample Response

```
{
  "connectorProfileArn": "arn:aws:appflow:region:<AccountId>:connectorprofile/
Connector_Profile_Name"
}
```

See Also

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

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

UpdateConnectorRegistration

Updates a custom connector that you've previously registered. This operation updates the connector with one of the following:

- The latest version of the AWS Lambda function that's assigned to the connector
- A new AWS Lambda function that you specify

Request Syntax

```
POST /update-connector-registration HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "connectorLabel": "string",
   "connectorProvisioningConfig": {
      "lambda": {
         "lambdaArn": "string"
      }
   },
   "description": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `UpdateConnectorRegistration` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `UpdateConnectorRegistration`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

connectorLabel

The name of the connector. The name is unique for each connector registration in your AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

connectorProvisioningConfig

Contains information about the configuration of the connector being registered.

Type: ConnectorProvisioningConfig object

Required: No

description

A description about the update that you're applying to the connector.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

Response Syntax

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

{
   "connectorArn": "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.

connectorArn

The ARN of the connector being updated.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

AppFlow/Requester has invalid or missing permissions.

HTTP Status Code: 403

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

ThrottlingException

API calls have exceeded the maximum allowed API request rate per account and per Region.

HTTP Status Code: 429

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

See Also

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

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

UpdateFlow

Updates an existing flow.

Request Syntax

```
POST /update-flow HTTP/1.1
Content-type: application/json

{
   "clientToken": "string",
   "description": "string",
   "destinationFlowConfigList": [
      {
         "apiVersion": "string",
         "connectorProfileName": "string",
         "connectorType": "string",
         "destinationConnectorProperties": {
            "CustomConnector": {
               "customProperties": {
                  "string" : "string"
               },
               "entityName": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "idFieldNames": [ "string" ],
               "writeOperationType": "string"
            },
            "CustomerProfiles": {
               "domainName": "string",
               "objectTypeName": "string"
            },
            "EventBridge": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "object": "string"
            },
```

```
            "Honeycode": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "object": "string"
            },
            "LookoutMetrics": {
            },
            "Marketo": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "object": "string"
            },
            "Redshift": {
               "bucketPrefix": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "intermediateBucketName": "string",
               "object": "string"
            },
            "S3": {
               "bucketName": "string",
               "bucketPrefix": "string",
               "s3OutputFormatConfig": {
                  "aggregationConfig": {
                     "aggregationType": "string",
                     "targetFileSize": number
                  },
                  "fileType": "string",
                  "prefixConfig": {
                     "pathPrefixHierarchy": [ "string" ],
                     "prefixFormat": "string",
                     "prefixType": "string"
                  },
                  "preserveSourceDataTyping": boolean
               }
```

```
            },
            "Salesforce": {
               "dataTransferApi": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "idFieldNames": [ "string" ],
               "object": "string",
               "writeOperationType": "string"
            },
            "SAPOData": {
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "idFieldNames": [ "string" ],
               "objectPath": "string",
               "successResponseHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string"
               },
               "writeOperationType": "string"
            },
            "Snowflake": {
               "bucketPrefix": "string",
               "errorHandlingConfig": {
                  "bucketName": "string",
                  "bucketPrefix": "string",
                  "failOnFirstDestinationError": boolean
               },
               "intermediateBucketName": "string",
               "object": "string"
            },
            "Upsolver": {
               "bucketName": "string",
               "bucketPrefix": "string",
               "s3OutputFormatConfig": {
                  "aggregationConfig": {
                     "aggregationType": "string",
                     "targetFileSize": number
                  },
```

```
                "fileType": "string",
                "prefixConfig": {
                   "pathPrefixHierarchy": [ "string" ],
                   "prefixFormat": "string",
                   "prefixType": "string"
                }
             }
          },
          "Zendesk": {
             "errorHandlingConfig": {
                "bucketName": "string",
                "bucketPrefix": "string",
                "failOnFirstDestinationError": boolean
             },
             "idFieldNames": [ "string" ],
             "object": "string",
             "writeOperationType": "string"
          }
       }
    }
 ],
 "flowName": "string",
 "metadataCatalogConfig": {
    "glueDataCatalog": {
       "databaseName": "string",
       "roleArn": "string",
       "tablePrefix": "string"
    }
 },
 "sourceFlowConfig": {
    "apiVersion": "string",
    "connectorProfileName": "string",
    "connectorType": "string",
    "incrementalPullConfig": {
       "datetimeTypeFieldName": "string"
    },
    "sourceConnectorProperties": {
       "Amplitude": {
          "object": "string"
       },
       "CustomConnector": {
          "customProperties": {
             "string" : "string"
          },
```

```
            "dataTransferApi": {
               "Name": "string",
               "Type": "string"
            },
            "entityName": "string"
         },
         "Datadog": {
            "object": "string"
         },
         "Dynatrace": {
            "object": "string"
         },
         "GoogleAnalytics": {
            "object": "string"
         },
         "InforNexus": {
            "object": "string"
         },
         "Marketo": {
            "object": "string"
         },
         "Pardot": {
            "object": "string"
         },
         "S3": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "s3InputFormatConfig": {
               "s3InputFileType": "string"
            }
         },
         "Salesforce": {
            "dataTransferApi": "string",
            "enableDynamicFieldUpdate": boolean,
            "includeDeletedRecords": boolean,
            "object": "string"
         },
         "SAPOData": {
            "objectPath": "string",
            "paginationConfig": {
               "maxPageSize": number
            },
            "parallelismConfig": {
               "maxParallelism": number
```

```
            }
         },
         "ServiceNow": {
            "object": "string"
         },
         "Singular": {
            "object": "string"
         },
         "Slack": {
            "object": "string"
         },
         "Trendmicro": {
            "object": "string"
         },
         "Veeva": {
            "documentType": "string",
            "includeAllVersions": boolean,
            "includeRenditions": boolean,
            "includeSourceFiles": boolean,
            "object": "string"
         },
         "Zendesk": {
            "object": "string"
         }
      }
   },
   "tasks": [
      {
         "connectorOperator": {
            "Amplitude": "string",
            "CustomConnector": "string",
            "Datadog": "string",
            "Dynatrace": "string",
            "GoogleAnalytics": "string",
            "InforNexus": "string",
            "Marketo": "string",
            "Pardot": "string",
            "S3": "string",
            "Salesforce": "string",
            "SAPOData": "string",
            "ServiceNow": "string",
            "Singular": "string",
            "Slack": "string",
            "Trendmicro": "string",
```

```
            "Veeva": "string",
            "Zendesk": "string"
         },
         "destinationField": "string",
         "sourceFields": [ "string" ],
         "taskProperties": {
            "string" : "string"
         },
         "taskType": "string"
      }
   ],
   "triggerConfig": {
      "triggerProperties": {
         "Scheduled": {
            "dataPullMode": "string",
            "firstExecutionFrom": number,
            "flowErrorDeactivationThreshold": number,
            "scheduleEndTime": number,
            "scheduleExpression": "string",
            "scheduleOffset": number,
            "scheduleStartTime": number,
            "timezone": "string"
         }
      },
      "triggerType": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

The `clientToken` parameter is an idempotency token. It ensures that your `UpdateFlow` request completes only once. You choose the value to pass. For example, if you don't receive a response from your request, you can safely retry the request with the same `clientToken` parameter value.

If you omit a `clientToken` value, the AWS SDK that you are using inserts a value for you. This way, the SDK can safely retry requests multiple times after a network error. You must provide your own value for other use cases.

If you specify input parameters that differ from your first request, an error occurs. If you use a different value for `clientToken`, Amazon AppFlow considers it a new call to `UpdateFlow`. The token is active for 8 hours.

Type: String

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

Pattern: `[ -~]+`

Required: No

description

A description of the flow.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

destinationFlowConfigList

The configuration that controls how Amazon AppFlow transfers data to the destination connector.

Type: Array of DestinationFlowConfig objects

Required: Yes

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: Yes

metadataCatalogConfig

Specifies the configuration that Amazon AppFlow uses when it catalogs the data that's transferred by the associated flow. When Amazon AppFlow catalogs the data from a flow, it stores metadata in a data catalog.

Type: MetadataCatalogConfig object

Required: No

sourceFlowConfig

Contains information about the configuration of the source connector used in the flow.

Type: SourceFlowConfig object

Required: Yes

tasks

A list of tasks that Amazon AppFlow performs while transferring the data in the flow run.

Type: Array of Task objects

Required: Yes

triggerConfig

The trigger settings that determine how and when the flow runs.

Type: TriggerConfig object

Required: Yes

Response Syntax

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

{
   "flowStatus": "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.

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

AppFlow/Requester has invalid or missing permissions.

HTTP Status Code: 403

ConflictException

There was a conflict when processing the request (for example, a flow with the given name already exists within the account. Check for conflicting resource names and try again.

HTTP Status Code: 409

ConnectorAuthenticationException

An error occurred when authenticating with the connector endpoint.

HTTP Status Code: 401

ConnectorServerException

An error occurred when retrieving data from the connector endpoint.

HTTP Status Code: 400

InternalServerException

An internal service error occurred during the processing of your request. Try again later.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request (such as the source or destination connector profile) is not found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request would cause a service quota (such as the number of flows) to be exceeded.

HTTP Status Code: 402

ValidationException

The request has invalid or missing parameters.

HTTP Status Code: 400

Examples

Salesforce

This example shows a sample request for the `UpdateFlow` API using Salesforce.

Sample Request

```
{
  "flowName": "testFlow-newpayload",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "OnDemand"
  },
  "sourceFlowConfig": {
    "connectorType": "Salesforce",
    "connectorProfileName": "Connector_Profile_Name",
    "sourceConnectorProperties": {
      "salesforce": {
        "object": "account"
      }
    }
  },
  "destinationFlowConfigList": [
```

```
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "Bucket_Name_value",
          "bucketKey": "Bucket_Name_value"
        }
      }
    }
  ],
  "tasks": [
    {
      "sourceFields": ["CreatedDate"],
      "taskProperties": {},
      "destinationField": "CreatedDate",
      "taskType": "Map"
    },
    {
      "destinationField": "LastActivityDate",
      "sourceFields": ["LastActivityDate"],
      "taskProperties": {},
      "taskType": "Map"
    }
  ]
}
```

Zendesk

This example shows a sample request for the `UpdateFlow` API using Zendesk.

Sample Request

```
{
  "useDefaultEncryption": false,
  "flowName": "testFlowZendesk",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "OnDemand"
  },
  "sourceFlowConfig": {
    "connectorType": "Zendesk",
    "connectorProfileName": "connector-profile-name",
```

```
    "sourceConnectorProperties": {
      "zendesk": {
        "object": "tickets"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "Bucket_Name_Value",
          "bucketKey": "Bucket_Name_Value"
        }
      }
    }
  ],
  "tasks": [
    {
      "destinationField": "url",
      "sourceFields": ["url"],
      "taskProperties": {
        "SOURCE_DATA_TYPE": "integer"
      },
      "taskType": "Map"
    }
  ]
}
```

Google Analytics

This example shows a sample request for the `UpdateFlow` API using Google Analytics.

Sample Request

```
{
  "useDefaultEncryption": false,
  "flowName": "testFlowGAnalytics",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "OnDemand"
  },
```

```
  "sourceFlowConfig": {
    "connectorType": "Googleanalytics",
    "connectorProfileName": "connector-profile-name",
    "sourceConnectorProperties": {
      "googleanalytics": {
        "object": "Object_ID"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "Bucket_Name_Value",
          "bucketKey": "Bucket_Name_Value"
        }
      }
    }
  ],
  "tasks": [
    {
      "destinationField": "url",
      "sourceFields": ["url"],
      "taskProperties": {
        "SOURCE_DATA_TYPE": "integer"
      },
      "taskType": "Map"
    }
  ]
}
```

Marketo

This example shows a sample request for the `UpdateFlow` API using Marketo.

Sample Request

```
{
  "flowName": "testMarketo",
  "description": "TestFlow",
  "triggerConfig": {
```

```
    "triggerType": "OnDemand"
  },
  "sourceFlowConfig": {
    "connectorType": "Marketo",
    "connectorProfileName": "Connector-profile-new",
    "sourceConnectorProperties": {
      "marketo": {
         "object": "leads"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "connectorProfileName": "Test",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "Bucket_Name_Value",
          "bucketKey": "Bucket_Name_Value"
        }
      }
    }
  ],
  "tasks": [
      {
      "connectorOperator": {
          "marketo":"BETWEEN"
      },
      "sourceFields": [
        "updatedAt"
      ],
      "taskProperties": {
        "DATA_TYPE": "datetime",
        "LOWER_BOUND": "Lower_Bound_value",
        "UPPER_BOUND": "Upper_Bound_value"
      },
      "taskType": "Filter"
    },
    {
      "destinationField": "company",
      "sourceFields": [
        "company"
      ],
      "taskProperties": {
```

```
            "SOURCE_DATA_TYPE": "string"
        },
        "taskType": "Map"
      }
    ]
}
```

See Also

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

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

Data Types

The Amazon Appflow 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:

- AggregationConfig
- AmplitudeConnectorProfileCredentials
- AmplitudeConnectorProfileProperties
- AmplitudeMetadata
- AmplitudeSourceProperties
- ApiKeyCredentials
- AuthenticationConfig
- AuthParameter
- BasicAuthCredentials
- ConnectorConfiguration
- ConnectorDetail
- ConnectorEntity
- ConnectorEntityField
- ConnectorMetadata
- ConnectorOAuthRequest
- ConnectorOperator
- ConnectorProfile
- ConnectorProfileConfig
- ConnectorProfileCredentials
- ConnectorProfileProperties

- ConnectorProvisioningConfig
- ConnectorRuntimeSetting
- CustomAuthConfig
- CustomAuthCredentials
- CustomConnectorDestinationProperties
- CustomConnectorProfileCredentials
- CustomConnectorProfileProperties
- CustomConnectorSourceProperties
- CustomerProfilesDestinationProperties
- CustomerProfilesMetadata
- DatadogConnectorProfileCredentials
- DatadogConnectorProfileProperties
- DatadogMetadata
- DatadogSourceProperties
- DataTransferApi
- DestinationConnectorProperties
- DestinationFieldProperties
- DestinationFlowConfig
- DynatraceConnectorProfileCredentials
- DynatraceConnectorProfileProperties
- DynatraceMetadata
- DynatraceSourceProperties
- ErrorHandlingConfig
- ErrorInfo
- EventBridgeDestinationProperties
- EventBridgeMetadata
- ExecutionDetails
- ExecutionRecord
- ExecutionResult
- FieldTypeDetails

- FlowDefinition
- GlueDataCatalogConfig
- GoogleAnalyticsConnectorProfileCredentials
- GoogleAnalyticsConnectorProfileProperties
- GoogleAnalyticsMetadata
- GoogleAnalyticsSourceProperties
- HoneycodeConnectorProfileCredentials
- HoneycodeConnectorProfileProperties
- HoneycodeDestinationProperties
- HoneycodeMetadata
- IncrementalPullConfig
- InforNexusConnectorProfileCredentials
- InforNexusConnectorProfileProperties
- InforNexusMetadata
- InforNexusSourceProperties
- LambdaConnectorProvisioningConfig
- LookoutMetricsDestinationProperties
- MarketoConnectorProfileCredentials
- MarketoConnectorProfileProperties
- MarketoDestinationProperties
- MarketoMetadata
- MarketoSourceProperties
- MetadataCatalogConfig
- MetadataCatalogDetail
- OAuth2Credentials
- OAuth2CustomParameter
- OAuth2Defaults
- OAuth2Properties
- OAuthCredentials
- OAuthProperties

- PardotConnectorProfileCredentials
- PardotConnectorProfileProperties
- PardotMetadata
- PardotSourceProperties
- PrefixConfig
- PrivateConnectionProvisioningState
- Range
- RedshiftConnectorProfileCredentials
- RedshiftConnectorProfileProperties
- RedshiftDestinationProperties
- RedshiftMetadata
- RegistrationOutput
- S3DestinationProperties
- S3InputFormatConfig
- S3Metadata
- S3OutputFormatConfig
- S3SourceProperties
- SalesforceConnectorProfileCredentials
- SalesforceConnectorProfileProperties
- SalesforceDestinationProperties
- SalesforceMetadata
- SalesforceSourceProperties
- SAPODataConnectorProfileCredentials
- SAPODataConnectorProfileProperties
- SAPODataDestinationProperties
- SAPODataMetadata
- SAPODataPaginationConfig
- SAPODataParallelismConfig
- SAPODataSourceProperties
- ScheduledTriggerProperties

- ServiceNowConnectorProfileCredentials
- ServiceNowConnectorProfileProperties
- ServiceNowMetadata
- ServiceNowSourceProperties
- SingularConnectorProfileCredentials
- SingularConnectorProfileProperties
- SingularMetadata
- SingularSourceProperties
- SlackConnectorProfileCredentials
- SlackConnectorProfileProperties
- SlackMetadata
- SlackSourceProperties
- SnowflakeConnectorProfileCredentials
- SnowflakeConnectorProfileProperties
- SnowflakeDestinationProperties
- SnowflakeMetadata
- SourceConnectorProperties
- SourceFieldProperties
- SourceFlowConfig
- SuccessResponseHandlingConfig
- SupportedFieldTypeDetails
- Task
- TrendmicroConnectorProfileCredentials
- TrendmicroConnectorProfileProperties
- TrendmicroMetadata
- TrendmicroSourceProperties
- TriggerConfig
- TriggerProperties
- UpsolverDestinationProperties
- UpsolverMetadata

- UpsolverS3OutputFormatConfig
- VeevaConnectorProfileCredentials
- VeevaConnectorProfileProperties
- VeevaMetadata
- VeevaSourceProperties
- ZendeskConnectorProfileCredentials
- ZendeskConnectorProfileProperties
- ZendeskDestinationProperties
- ZendeskMetadata
- ZendeskSourceProperties

AggregationConfig

The aggregation settings that you can use to customize the output format of your flow data.

Contents

aggregationType

Specifies whether Amazon AppFlow aggregates the flow records into a single file, or leave them unaggregated.

Type: String

Valid Values: `None | SingleFile`

Required: No

targetFileSize

The desired file size, in MB, for each output file that Amazon AppFlow writes to the flow destination. For each file, Amazon AppFlow attempts to achieve the size that you specify. The actual file sizes might differ from this target based on the number and size of the records that each file contains.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmplitudeConnectorProfileCredentials

The connector-specific credentials required when using Amplitude.

Contents

apiKey

A unique alphanumeric identifier used to authenticate a user, developer, or calling program to your API.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

secretKey

The Secret Access Key portion of the credentials.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmplitudeConnectorProfileProperties

The connector-specific profile properties required when using Amplitude.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmplitudeMetadata

The connector metadata specific to Amplitude.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AmplitudeSourceProperties

The properties that are applied when Amplitude is being used as a source.

Contents

object

The object specified in the Amplitude flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ApiKeyCredentials

The API key credentials required for API key authentication.

Contents

apiKey

The API key required for API key authentication.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

apiSecretKey

The API secret key required for API key authentication.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AuthenticationConfig

Contains information about the authentication config that the connector supports.

Contents

customAuthConfigs

Contains information required for custom authentication.

Type: Array of CustomAuthConfig objects

Required: No

isApiKeyAuthSupported

Indicates whether API key authentication is supported by the connector

Type: Boolean

Required: No

isBasicAuthSupported

Indicates whether basic authentication is supported by the connector.

Type: Boolean

Required: No

isCustomAuthSupported

Indicates whether custom authentication is supported by the connector

Type: Boolean

Required: No

isOAuth2Supported

Indicates whether OAuth 2.0 authentication is supported by the connector.

Type: Boolean

Required: No

oAuth2Defaults

Contains the default values required for OAuth 2.0 authentication.

Type: OAuth2Defaults object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AuthParameter

Information about required authentication parameters.

Contents

connectorSuppliedValues

Contains default values for this authentication parameter that are supplied by the connector.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

description

A description about the authentication parameter.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

isRequired

Indicates whether this authentication parameter is required.

Type: Boolean

Required: No

isSensitiveField

Indicates whether this authentication parameter is a sensitive field.

Type: Boolean

Required: No

key

The authentication key required to authenticate with the connector.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

label

Label used for authentication parameter.

Type: String

Length Constraints: Maximum length of 128.

Pattern: .*

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BasicAuthCredentials

The basic auth credentials required for basic authentication.

Contents

password

The password to use to connect to a resource.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: Yes

username

The username to use to connect to a resource.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorConfiguration

The configuration settings related to a given connector.

Contents

authenticationConfig

The authentication config required for the connector.

Type: AuthenticationConfig object

Required: No

canUseAsDestination

Specifies whether the connector can be used as a destination.

Type: Boolean

Required: No

canUseAsSource

Specifies whether the connector can be used as a source.

Type: Boolean

Required: No

connectorArn

The Amazon Resource Name (ARN) for the registered connector.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: No

connectorDescription

A description about the connector.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

connectorLabel

The label used for registering the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorMetadata

Specifies connector-specific metadata such as `oAuthScopes`, `supportedRegions`, `privateLinkServiceUrl`, and so on.

Type: ConnectorMetadata object

Required: No

connectorModes

The connection modes that the connector supports.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

connectorName

The connector name.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: No

connectorOwner

The owner who developed the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: No

connectorProvisioningConfig

The configuration required for registering the connector.

Type: ConnectorProvisioningConfig object

Required: No

connectorProvisioningType

The provisioning type used to register the connector.

Type: String

Valid Values: `LAMBDA`

Required: No

connectorRuntimeSettings

The required connector runtime settings.

Type: Array of ConnectorRuntimeSetting objects

Required: No

connectorType

The connector type.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

connectorVersion

The connector version.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

isPrivateLinkEnabled

Specifies if PrivateLink is enabled for that connector.

Type: Boolean

Required: No

isPrivateLinkEndpointUrlRequired

Specifies if a PrivateLink endpoint URL is required.

Type: Boolean

Required: No

logoURL

Logo URL of the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^(https?|ftp|file)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: No

registeredAt

The date on which the connector was registered.

Type: Timestamp

Required: No

registeredBy

Information about who registered the connector.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

supportedApiVersions

A list of API versions that are supported by the connector.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

supportedDataTransferApis

The APIs of the connector application that Amazon AppFlow can use to transfer your data.

Type: Array of DataTransferApi objects

Required: No

supportedDataTransferTypes

The data transfer types that the connector supports.

RECORD

Structured records.

FILE

Files or binary data.

Type: Array of strings

Valid Values: `RECORD | FILE`

Required: No

supportedDestinationConnectors

Lists the connectors that are available for use as destinations.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

supportedOperators

A list of operators supported by the connector.

Type: Array of strings

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | CONTAINS | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

supportedSchedulingFrequencies

Specifies the supported flow frequency for that connector.

Type: Array of strings

Valid Values: `BYMINUTE | HOURLY | DAILY | WEEKLY | MONTHLY | ONCE`

Required: No

supportedTriggerTypes

Specifies the supported trigger types for the flow.

Type: Array of strings

Valid Values: `Scheduled | Event | OnDemand`

Required: No

supportedWriteOperations

A list of write operations supported by the connector.

Type: Array of strings

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorDetail

Information about the registered connector.

Contents

applicationType

The application type of the connector.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

connectorDescription

A description about the registered connector.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

connectorLabel

A label used for the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorModes

The connection mode that the connector supports.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorName

The name of the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: .*

Required: No

connectorOwner

The owner of the connector.

Type: String

Length Constraints: Maximum length of 256.

Pattern: .*

Required: No

connectorProvisioningType

The provisioning type that the connector uses.

Type: String

Valid Values: LAMBDA

Required: No

connectorType

The connector type.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

connectorVersion

The connector version.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

registeredAt

The time at which the connector was registered.

Type: Timestamp

Required: No

registeredBy

The user who registered the connector.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

supportedDataTransferTypes

The data transfer types that the connector supports.

RECORD

Structured records.

FILE

Files or binary data.

Type: Array of strings

Valid Values: `RECORD | FILE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorEntity

The high-level entity that can be queried in Amazon AppFlow. For example, a Salesforce entity might be an *Account* or *Opportunity*, whereas a ServiceNow entity might be an *Incident*.

Contents

name

The name of the connector entity.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: Yes

hasNestedEntities

Specifies whether the connector entity is a parent or a category and has more entities nested underneath it. If another call is made with `entitiesPath = "the_current_entity_name_with_hasNestedEntities_true"`, then it returns the nested entities underneath it. This provides a way to retrieve all supported entities in a recursive fashion.

Type: Boolean

Required: No

label

The label applied to the connector entity.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorEntityField

Describes the data model of a connector field. For example, for an *account* entity, the fields would be *account name*, *account ID*, and so on.

Contents

identifier

The unique identifier of the connector field.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: Yes

customProperties

A map that has specific properties related to the ConnectorEntityField.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

defaultValue

Default value that can be assigned to this field.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

description

A description of the connector entity field.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

destinationProperties

The properties applied to a field when the connector is being used as a destination.

Type: DestinationFieldProperties object

Required: No

isDeprecated

Booelan value that indicates whether this field is deprecated or not.

Type: Boolean

Required: No

isPrimaryKey

Booelan value that indicates whether this field can be used as a primary key.

Type: Boolean

Required: No

label

The label applied to a connector entity field.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `.*`

Required: No

parentIdentifier

The parent identifier of the connector field.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

sourceProperties

The properties that can be applied to a field when the connector is being used as a source.

Type: SourceFieldProperties object

Required: No

supportedFieldTypeDetails

Contains details regarding the supported `FieldType`, including the corresponding `filterOperators` and `supportedValues`.

Type: SupportedFieldTypeDetails object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorMetadata

A structure to specify connector-specific metadata such as `oAuthScopes`, `supportedRegions`, `privateLinkServiceUrl`, and so on.

Contents

Amplitude

The connector metadata specific to Amplitude.

Type: AmplitudeMetadata object

Required: No

CustomerProfiles

The connector metadata specific to Amazon Connect Customer Profiles.

Type: CustomerProfilesMetadata object

Required: No

Datadog

The connector metadata specific to Datadog.

Type: DatadogMetadata object

Required: No

Dynatrace

The connector metadata specific to Dynatrace.

Type: DynatraceMetadata object

Required: No

EventBridge

The connector metadata specific to Amazon EventBridge.

Type: EventBridgeMetadata object

Required: No

GoogleAnalytics

The connector metadata specific to Google Analytics.

Type: GoogleAnalyticsMetadata object

Required: No

Honeycode

The connector metadata specific to Amazon Honeycode.

Type: HoneycodeMetadata object

Required: No

InforNexus

The connector metadata specific to Infor Nexus.

Type: InforNexusMetadata object

Required: No

Marketo

The connector metadata specific to Marketo.

Type: MarketoMetadata object

Required: No

Pardot

The connector metadata specific to Salesforce Pardot.

Type: PardotMetadata object

Required: No

Redshift

The connector metadata specific to Amazon Redshift.

Type: RedshiftMetadata object

Required: No

S3

The connector metadata specific to Amazon S3.

Type: S3Metadata object

Required: No

Salesforce

The connector metadata specific to Salesforce.

Type: SalesforceMetadata object

Required: No

SAPOData

The connector metadata specific to SAPOData.

Type: SAPODataMetadata object

Required: No

ServiceNow

The connector metadata specific to ServiceNow.

Type: ServiceNowMetadata object

Required: No

Singular

The connector metadata specific to Singular.

Type: SingularMetadata object

Required: No

Slack

The connector metadata specific to Slack.

Type: SlackMetadata object

Required: No

Snowflake

The connector metadata specific to Snowflake.

Type: SnowflakeMetadata object

Required: No

Trendmicro

The connector metadata specific to Trend Micro.

Type: TrendmicroMetadata object

Required: No

Upsolver

The connector metadata specific to Upsolver.

Type: UpsolverMetadata object

Required: No

Veeva

The connector metadata specific to Veeva.

Type: VeevaMetadata object

Required: No

Zendesk

The connector metadata specific to Zendesk.

Type: ZendeskMetadata object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorOAuthRequest

Used by select connectors for which the OAuth workflow is supported, such as Salesforce, Google Analytics, Marketo, Zendesk, and Slack.

Contents

authCode

The code provided by the connector when it has been authenticated via the connected app.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

redirectUri

The URL to which the authentication server redirects the browser after authorization has been granted.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorOperator

The operation to be performed on the provided source fields.

Contents

Amplitude

The operation to be performed on the provided Amplitude source fields.

Type: String

Valid Values: `BETWEEN`

Required: No

CustomConnector

Operators supported by the custom connector.

Type: String

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | CONTAINS | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Datadog

The operation to be performed on the provided Datadog source fields.

Type: String

Valid Values: `PROJECTION | BETWEEN | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Dynatrace

The operation to be performed on the provided Dynatrace source fields.

Type: String

Valid Values: `PROJECTION | BETWEEN | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

GoogleAnalytics

The operation to be performed on the provided Google Analytics source fields.

Type: String

Valid Values: `PROJECTION | BETWEEN`

Required: No

InforNexus

The operation to be performed on the provided Infor Nexus source fields.

Type: String

Valid Values: `PROJECTION | BETWEEN | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Marketo

The operation to be performed on the provided Marketo source fields.

Type: String

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | BETWEEN | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL |`

MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

Pardot

The operation to be performed on the provided Salesforce Pardot source fields.

Type: String

Valid Values: PROJECTION | EQUAL_TO | NO_OP | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC

Required: No

S3

The operation to be performed on the provided Amazon S3 source fields.

Type: String

Valid Values: PROJECTION | LESS_THAN | GREATER_THAN | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

Salesforce

The operation to be performed on the provided Salesforce source fields.

Type: String

Valid Values: PROJECTION | LESS_THAN | CONTAINS | GREATER_THAN | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP

Required: No

SAPOData

The operation to be performed on the provided SAPOData source fields.

Type: String

Valid Values: `PROJECTION | LESS_THAN | CONTAINS | GREATER_THAN | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

ServiceNow

The operation to be performed on the provided ServiceNow source fields.

Type: String

Valid Values: `PROJECTION | CONTAINS | LESS_THAN | GREATER_THAN | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Singular

The operation to be performed on the provided Singular source fields.

Type: String

Valid Values: `PROJECTION | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Slack

The operation to be performed on the provided Slack source fields.

Type: String

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Trendmicro

The operation to be performed on the provided Trend Micro source fields.

Type: String

Valid Values: `PROJECTION | EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Veeva

The operation to be performed on the provided Veeva source fields.

Type: String

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | CONTAINS | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

Zendesk

The operation to be performed on the provided Zendesk source fields.

Type: String

Valid Values: `PROJECTION | GREATER_THAN | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N |`

`VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorProfile

Describes an instance of a connector. This includes the provided name, credentials ARN, connection-mode, and so on. To keep the API intuitive and extensible, the fields that are common to all types of connector profiles are explicitly specified at the top level. The rest of the connector-specific properties are available via the `connectorProfileProperties` field.

Contents

connectionMode

Indicates the connection mode and if it is public or private.

Type: String

Valid Values: `Public | Private`

Required: No

connectorLabel

The label for the connector profile being created.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

connectorProfileArn

The Amazon Resource Name (ARN) of the connector profile.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

Required: No

connectorProfileName

The name of the connector profile. The name is unique for each `ConnectorProfile` in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

connectorProfileProperties

The connector-specific properties of the profile configuration.

Type: ConnectorProfileProperties object

Required: No

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

createdAt

Specifies when the connector profile was created.

Type: Timestamp

Required: No

credentialsArn

The Amazon Resource Name (ARN) of the connector profile credentials.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: No

lastUpdatedAt

Specifies when the connector profile was last updated.

Type: Timestamp

Required: No

privateConnectionProvisioningState

Specifies the private connection provisioning state.

Type: PrivateConnectionProvisioningState object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorProfileConfig

Defines the connector-specific configuration and credentials for the connector profile.

Contents

connectorProfileProperties

The connector-specific properties of the profile configuration.

Type: ConnectorProfileProperties object

Required: Yes

connectorProfileCredentials

The connector-specific credentials required by each connector.

Type: ConnectorProfileCredentials object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorProfileCredentials

The connector-specific credentials required by a connector.

Contents

Amplitude

The connector-specific credentials required when using Amplitude.

Type: AmplitudeConnectorProfileCredentials object

Required: No

CustomConnector

The connector-specific profile credentials that are required when using the custom connector.

Type: CustomConnectorProfileCredentials object

Required: No

Datadog

The connector-specific credentials required when using Datadog.

Type: DatadogConnectorProfileCredentials object

Required: No

Dynatrace

The connector-specific credentials required when using Dynatrace.

Type: DynatraceConnectorProfileCredentials object

Required: No

GoogleAnalytics

The connector-specific credentials required when using Google Analytics.

Type: GoogleAnalyticsConnectorProfileCredentials object

Required: No

Honeycode

The connector-specific credentials required when using Amazon Honeycode.

Type: HoneycodeConnectorProfileCredentials object

Required: No

InforNexus

The connector-specific credentials required when using Infor Nexus.

Type: InforNexusConnectorProfileCredentials object

Required: No

Marketo

The connector-specific credentials required when using Marketo.

Type: MarketoConnectorProfileCredentials object

Required: No

Pardot

The connector-specific credentials required when using Salesforce Pardot.

Type: PardotConnectorProfileCredentials object

Required: No

Redshift

The connector-specific credentials required when using Amazon Redshift.

Type: RedshiftConnectorProfileCredentials object

Required: No

Salesforce

The connector-specific credentials required when using Salesforce.

Type: SalesforceConnectorProfileCredentials object

Required: No

SAPOData

The connector-specific profile credentials required when using SAPOData.

Type: SAPODataConnectorProfileCredentials object

Required: No

ServiceNow

The connector-specific credentials required when using ServiceNow.

Type: ServiceNowConnectorProfileCredentials object

Required: No

Singular

The connector-specific credentials required when using Singular.

Type: SingularConnectorProfileCredentials object

Required: No

Slack

The connector-specific credentials required when using Slack.

Type: SlackConnectorProfileCredentials object

Required: No

Snowflake

The connector-specific credentials required when using Snowflake.

Type: SnowflakeConnectorProfileCredentials object

Required: No

Trendmicro

The connector-specific credentials required when using Trend Micro.

Type: TrendmicroConnectorProfileCredentials object

Required: No

Veeva

The connector-specific credentials required when using Veeva.

Type: VeevaConnectorProfileCredentials object

Required: No

Zendesk

The connector-specific credentials required when using Zendesk.

Type: ZendeskConnectorProfileCredentials object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorProfileProperties

The connector-specific profile properties required by each connector.

Contents

Amplitude

The connector-specific properties required by Amplitude.

Type: AmplitudeConnectorProfileProperties object

Required: No

CustomConnector

The properties required by the custom connector.

Type: CustomConnectorProfileProperties object

Required: No

Datadog

The connector-specific properties required by Datadog.

Type: DatadogConnectorProfileProperties object

Required: No

Dynatrace

The connector-specific properties required by Dynatrace.

Type: DynatraceConnectorProfileProperties object

Required: No

GoogleAnalytics

The connector-specific properties required Google Analytics.

Type: GoogleAnalyticsConnectorProfileProperties object

Required: No

Honeycode

The connector-specific properties required by Amazon Honeycode.

Type: HoneycodeConnectorProfileProperties object

Required: No

InforNexus

The connector-specific properties required by Infor Nexus.

Type: InforNexusConnectorProfileProperties object

Required: No

Marketo

The connector-specific properties required by Marketo.

Type: MarketoConnectorProfileProperties object

Required: No

Pardot

The connector-specific properties required by Salesforce Pardot.

Type: PardotConnectorProfileProperties object

Required: No

Redshift

The connector-specific properties required by Amazon Redshift.

Type: RedshiftConnectorProfileProperties object

Required: No

Salesforce

The connector-specific properties required by Salesforce.

Type: SalesforceConnectorProfileProperties object

Required: No

SAPOData

The connector-specific profile properties required when using SAPOData.

Type: SAPODataConnectorProfileProperties object

Required: No

ServiceNow

The connector-specific properties required by serviceNow.

Type: ServiceNowConnectorProfileProperties object

Required: No

Singular

The connector-specific properties required by Singular.

Type: SingularConnectorProfileProperties object

Required: No

Slack

The connector-specific properties required by Slack.

Type: SlackConnectorProfileProperties object

Required: No

Snowflake

The connector-specific properties required by Snowflake.

Type: SnowflakeConnectorProfileProperties object

Required: No

Trendmicro

The connector-specific properties required by Trend Micro.

Type: TrendmicroConnectorProfileProperties object

Required: No

Veeva

The connector-specific properties required by Veeva.

Type: VeevaConnectorProfileProperties object

Required: No

Zendesk

The connector-specific properties required by Zendesk.

Type: ZendeskConnectorProfileProperties object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorProvisioningConfig

Contains information about the configuration of the connector being registered.

Contents

lambda

Contains information about the configuration of the lambda which is being registered as the connector.

Type: LambdaConnectorProvisioningConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectorRuntimeSetting

Contains information about the connector runtime settings that are required for flow execution.

Contents

connectorSuppliedValueOptions

Contains default values for the connector runtime setting that are supplied by the connector.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

dataType

Data type of the connector runtime setting.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

description

A description about the connector runtime setting.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

isRequired

Indicates whether this connector runtime setting is required.

Type: Boolean

Required: No

key

Contains value information about the connector runtime setting.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

label

A label used for connector runtime setting.

Type: String

Length Constraints: Maximum length of 128.

Pattern: .*

Required: No

scope

Indicates the scope of the connector runtime setting.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomAuthConfig

Configuration information required for custom authentication.

Contents

authParameters

Information about authentication parameters required for authentication.

Type: Array of AuthParameter objects

Required: No

customAuthenticationType

The authentication type that the custom connector uses.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomAuthCredentials

The custom credentials required for custom authentication.

Contents

customAuthenticationType

The custom authentication type that the connector uses.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: Yes

credentialsMap

A map that holds custom authentication credentials.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomConnectorDestinationProperties

The properties that are applied when the custom connector is being used as a destination.

Contents

entityName

The entity specified in the custom connector as a destination in the flow.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `\S+`

Required: Yes

customProperties

The custom properties that are specific to the connector when it's used as a destination in the flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the custom connector as destination.

Type: ErrorHandlingConfig object

Required: No

idFieldNames

The name of the field that Amazon AppFlow uses as an ID when performing a write operation such as update, delete, or upsert.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

writeOperationType

Specifies the type of write operation to be performed in the custom connector when it's used as destination.

Type: String

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomConnectorProfileCredentials

The connector-specific profile credentials that are required when using the custom connector.

Contents

authenticationType

The authentication type that the custom connector uses for authenticating while creating a connector profile.

Type: String

Valid Values: `OAUTH2 | APIKEY | BASIC | CUSTOM`

Required: Yes

apiKey

The API keys required for the authentication of the user.

Type: ApiKeyCredentials object

Required: No

basic

The basic credentials that are required for the authentication of the user.

Type: BasicAuthCredentials object

Required: No

custom

If the connector uses the custom authentication mechanism, this holds the required credentials.

Type: CustomAuthCredentials object

Required: No

oauth2

The OAuth 2.0 credentials required for the authentication of the user.

Type: OAuth2Credentials object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomConnectorProfileProperties

The profile properties required by the custom connector.

Contents

oAuth2Properties

The OAuth 2.0 properties required for OAuth 2.0 authentication.

Type: OAuth2Properties object

Required: No

profileProperties

A map of properties that are required to create a profile for the custom connector.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomConnectorSourceProperties

The properties that are applied when the custom connector is being used as a source.

Contents

entityName

The entity specified in the custom connector as a source in the flow.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `\S+`

Required: Yes

customProperties

Custom properties that are required to use the custom connector as a source.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

dataTransferApi

The API of the connector application that Amazon AppFlow uses to transfer your data.

Type: DataTransferApi object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomerProfilesDestinationProperties

The properties that are applied when Amazon Connect Customer Profiles is used as a destination.

Contents

domainName

The unique name of the Amazon Connect Customer Profiles domain.

Type: String

Length Constraints: Maximum length of 64.

Pattern: \S+

Required: Yes

objectTypeName

The object specified in the Amazon Connect Customer Profiles flow destination.

Type: String

Length Constraints: Maximum length of 255.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomerProfilesMetadata

The connector metadata specific to Amazon Connect Customer Profiles.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DatadogConnectorProfileCredentials

The connector-specific credentials required by Datadog.

Contents

apiKey

A unique alphanumeric identifier used to authenticate a user, developer, or calling program to your API.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

applicationKey

Application keys, in conjunction with your API key, give you full access to Datadog's programmatic API. Application keys are associated with the user account that created them. The application key is used to log all requests made to the API.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DatadogConnectorProfileProperties

The connector-specific profile properties required by Datadog.

Contents

instanceUrl

The location of the Datadog resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DatadogMetadata

The connector metadata specific to Datadog.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DatadogSourceProperties

The properties that are applied when Datadog is being used as a source.

Contents

object

The object specified in the Datadog flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DataTransferApi

The API of the connector application that Amazon AppFlow uses to transfer your data.

Contents

Name

The name of the connector application API.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[\w/-]+`

Required: No

Type

You can specify one of the following types:

AUTOMATIC

The default. Optimizes a flow for datasets that fluctuate in size from small to large. For each flow run, Amazon AppFlow chooses to use the SYNC or ASYNC API type based on the amount of data that the run transfers.

SYNC

A synchronous API. This type of API optimizes a flow for small to medium-sized datasets.

ASYNC

An asynchronous API. This type of API optimizes a flow for large datasets.

Type: String

Valid Values: `SYNC | ASYNC | AUTOMATIC`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DestinationConnectorProperties

This stores the information that is required to query a particular connector.

Contents

CustomConnector

The properties that are required to query the custom Connector.

Type: CustomConnectorDestinationProperties object

Required: No

CustomerProfiles

The properties required to query Amazon Connect Customer Profiles.

Type: CustomerProfilesDestinationProperties object

Required: No

EventBridge

The properties required to query Amazon EventBridge.

Type: EventBridgeDestinationProperties object

Required: No

Honeycode

The properties required to query Amazon Honeycode.

Type: HoneycodeDestinationProperties object

Required: No

LookoutMetrics

The properties required to query Amazon Lookout for Metrics.

Type: LookoutMetricsDestinationProperties object

Required: No

Marketo

The properties required to query Marketo.

Type: MarketoDestinationProperties object

Required: No

Redshift

The properties required to query Amazon Redshift.

Type: RedshiftDestinationProperties object

Required: No

S3

The properties required to query Amazon S3.

Type: S3DestinationProperties object

Required: No

Salesforce

The properties required to query Salesforce.

Type: SalesforceDestinationProperties object

Required: No

SAPOData

The properties required to query SAPOData.

Type: SAPODataDestinationProperties object

Required: No

Snowflake

The properties required to query Snowflake.

Type: SnowflakeDestinationProperties object

Required: No

Upsolver

The properties required to query Upsolver.

Type: UpsolverDestinationProperties object

Required: No

Zendesk

The properties required to query Zendesk.

Type: ZendeskDestinationProperties object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DestinationFieldProperties

The properties that can be applied to a field when connector is being used as a destination.

Contents

isCreatable

Specifies if the destination field can be created by the current user.

Type: Boolean

Required: No

isDefaultedOnCreate

Specifies whether the field can use the default value during a Create operation.

Type: Boolean

Required: No

isNullable

Specifies if the destination field can have a null value.

Type: Boolean

Required: No

isUpdatable

Specifies whether the field can be updated during an `UPDATE` or `UPSERT` write operation.

Type: Boolean

Required: No

isUpsertable

Specifies if the flow run can either insert new rows in the destination field if they do not already exist, or update them if they do.

Type: Boolean

Required: No

supportedWriteOperations

A list of supported write operations. For each write operation listed, this field can be used in `idFieldNames` when that write operation is present as a destination option.

Type: Array of strings

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DestinationFlowConfig

Contains information about the configuration of destination connectors present in the flow.

Contents

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: Yes

destinationConnectorProperties

This stores the information that is required to query a particular connector.

Type: DestinationConnectorProperties object

Required: Yes

apiVersion

The API version that the destination connector uses.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorProfileName

The name of the connector profile. This name must be unique for each connector profile in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DynatraceConnectorProfileCredentials

The connector-specific profile credentials required by Dynatrace.

Contents

apiToken

The API tokens used by Dynatrace API to authenticate various API calls.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DynatraceConnectorProfileProperties

The connector-specific profile properties required by Dynatrace.

Contents

instanceUrl

The location of the Dynatrace resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DynatraceMetadata

The connector metadata specific to Dynatrace.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DynatraceSourceProperties

The properties that are applied when Dynatrace is being used as a source.

Contents

object

The object specified in the Dynatrace flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ErrorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Contents

bucketName

Specifies the name of the Amazon S3 bucket.

Type: String

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

Pattern: \S+

Required: No

bucketPrefix

Specifies the Amazon S3 bucket prefix.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

failOnFirstDestinationError

Specifies if the flow should fail after the first instance of a failure when attempting to place data in the destination.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ErrorInfo

Provides details in the event of a failed flow, including the failure count and the related error messages.

Contents

executionMessage

Specifies the error message that appears if a flow fails.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

putFailuresCount

Specifies the failure count for the attempted flow.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventBridgeDestinationProperties

The properties that are applied when Amazon EventBridge is being used as a destination.

Contents

object

The object specified in the Amazon EventBridge flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EventBridgeMetadata

The connector metadata specific to Amazon EventBridge.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ExecutionDetails

Describes the details of the flow run, including the timestamp, status, and message.

Contents

mostRecentExecutionMessage

Describes the details of the most recent flow run.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

mostRecentExecutionStatus

Specifies the status of the most recent flow run.

Type: String

Valid Values: `InProgress | Successful | Error | CancelStarted | Canceled`

Required: No

mostRecentExecutionTime

Specifies the time of the most recent flow run.

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 Java V2

- AWS SDK for Ruby V3

ExecutionRecord

Specifies information about the past flow run instances for a given flow.

Contents

dataPullEndTime

The timestamp that indicates the last new or updated record to be transferred in the flow run.

Type: Timestamp

Required: No

dataPullStartTime

The timestamp that determines the first new or updated record to be transferred in the flow run.

Type: Timestamp

Required: No

executionId

Specifies the identifier of the given flow run.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

executionResult

Describes the result of the given flow run.

Type: ExecutionResult object

Required: No

executionStatus

Specifies the flow run status and whether it is in progress, has completed successfully, or has failed.

Type: String

Valid Values: `InProgress | Successful | Error | CancelStarted | Canceled`

Required: No

lastUpdatedAt

Specifies the time of the most recent update.

Type: Timestamp

Required: No

metadataCatalogDetails

Describes the metadata catalog, metadata table, and data partitions that Amazon AppFlow used for the associated flow run.

Type: Array of MetadataCatalogDetail objects

Required: No

startedAt

Specifies the start time of the flow run.

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 Java V2
- AWS SDK for Ruby V3

ExecutionResult

Specifies the end result of the flow run.

Contents

bytesProcessed

The total number of bytes processed by the flow run.

Type: Long

Required: No

bytesWritten

The total number of bytes written as a result of the flow run.

Type: Long

Required: No

errorInfo

Provides any error message information related to the flow run.

Type: ErrorInfo object

Required: No

maxPageSize

The maximum number of records that Amazon AppFlow receives in each page of the response from your SAP application.

Type: Long

Required: No

numParallelProcesses

The number of processes that Amazon AppFlow ran at the same time when it retrieved your data.

Type: Long

Required: No

recordsProcessed

The number of records processed in the flow run.

Type: Long

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FieldTypeDetails

Contains details regarding the supported field type and the operators that can be applied for filtering.

Contents

fieldType

The type of field, such as string, integer, date, and so on.

Type: String

Required: Yes

filterOperators

The list of operators supported by a field.

Type: Array of strings

Valid Values: `PROJECTION | LESS_THAN | GREATER_THAN | CONTAINS | BETWEEN | LESS_THAN_OR_EQUAL_TO | GREATER_THAN_OR_EQUAL_TO | EQUAL_TO | NOT_EQUAL_TO | ADDITION | MULTIPLICATION | DIVISION | SUBTRACTION | MASK_ALL | MASK_FIRST_N | MASK_LAST_N | VALIDATE_NON_NULL | VALIDATE_NON_ZERO | VALIDATE_NON_NEGATIVE | VALIDATE_NUMERIC | NO_OP`

Required: Yes

fieldLengthRange

This is the allowable length range for this field's value.

Type: Range object

Required: No

fieldValueRange

The range of values this field can hold.

Type: Range object

Required: No

supportedDateFormat

The date format that the field supports.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

supportedValues

The list of values that a field can contain. For example, a Boolean `fieldType` can have two values: "true" and "false".

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

valueRegexPattern

The regular expression pattern for the field name.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

FlowDefinition

The properties of the flow, such as its source, destination, trigger type, and so on.

Contents

createdAt

Specifies when the flow was created.

Type: Timestamp

Required: No

createdBy

The ARN of the user who created the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

description

A user-entered description of the flow.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\w!@#\-.?,\s]*`

Required: No

destinationConnectorLabel

The label of the destination connector in the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

destinationConnectorType

Specifies the destination connector type, such as Salesforce, Amazon S3, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

flowArn

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:appflow:.*:[0-9]+:.*`

Required: No

flowName

The specified name of the flow. Spaces are not allowed. Use underscores (_) or hyphens (-) only.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

flowStatus

Indicates the current status of the flow.

Type: String

Valid Values: `Active | Deprecated | Deleted | Draft | Errored | Suspended`

Required: No

lastRunExecutionDetails

Describes the details of the most recent flow run.

Type: ExecutionDetails object

Required: No

lastUpdatedAt

Specifies when the flow was last updated.

Type: Timestamp

Required: No

lastUpdatedBy

Specifies the account user name that most recently updated the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

sourceConnectorLabel

The label of the source connector in the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[a-zA-Z0-9][\w!@#.-]+`

Required: No

sourceConnectorType

Specifies the source connector type, such as Salesforce, Amazon S3, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: No

tags

The tags used to organize, track, or control access for your flow.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Value Pattern: `[\s\w+-=\.:/@]*`

Required: No

triggerType

Specifies the type of flow trigger. This can be `OnDemand`, `Scheduled`, or `Event`.

Type: String

Valid Values: `Scheduled | Event | OnDemand`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GlueDataCatalogConfig

Specifies the configuration that Amazon AppFlow uses when it catalogs your data with the AWS Glue Data Catalog. When Amazon AppFlow catalogs your data, it stores metadata in Data Catalog tables. This metadata represents the data that's transferred by the flow that you configure with these settings.

> **Note**
>
> You can configure a flow with these settings only when the flow destination is Amazon S3.

Contents

databaseName

The name of the Data Catalog database that stores the metadata tables that Amazon AppFlow creates in your AWS account. These tables contain metadata for the data that's transferred by the flow that you configure with this parameter.

> **Note**
>
> When you configure a new flow with this parameter, you must specify an existing database.

Type: String

Length Constraints: Maximum length of 255.

Pattern: `[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDC00-\uDBFF\uDFFF\t]*`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of an IAM role that grants Amazon AppFlow the permissions it needs to create Data Catalog tables, databases, and partitions.

For an example IAM policy that has the required permissions, see Identity-based policy examples for Amazon AppFlow.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: Yes

tablePrefix

A naming prefix for each Data Catalog table that Amazon AppFlow creates for the flow that you configure with this setting. Amazon AppFlow adds the prefix to the beginning of the each table name.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDC00-\uDBFF\uDFFF\t]*`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GoogleAnalyticsConnectorProfileCredentials

The connector-specific profile credentials required by Google Analytics.

Contents

clientId

The identifier for the desired client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

accessToken

The credentials used to access protected Google Analytics resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The credentials used to acquire new access tokens. This is required only for OAuth2 access tokens, and is not required for OAuth1 access tokens.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GoogleAnalyticsConnectorProfileProperties

The connector-specific profile properties required by Google Analytics.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GoogleAnalyticsMetadata

The connector metadata specific to Google Analytics.

Contents

oAuthScopes

The desired authorization scope for the Google Analytics account.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GoogleAnalyticsSourceProperties

The properties that are applied when Google Analytics is being used as a source.

Contents

object

The object specified in the Google Analytics flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HoneycodeConnectorProfileCredentials

The connector-specific credentials required when using Amazon Honeycode.

Contents

accessToken

The credentials used to access protected Amazon Honeycode resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

Used by select connectors for which the OAuth workflow is supported, such as Salesforce, Google Analytics, Marketo, Zendesk, and Slack.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The credentials used to acquire new access tokens.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HoneycodeConnectorProfileProperties

The connector-specific properties required when using Amazon Honeycode.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HoneycodeDestinationProperties

The properties that are applied when Amazon Honeycode is used as a destination.

Contents

object

The object specified in the Amazon Honeycode flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HoneycodeMetadata

The connector metadata specific to Amazon Honeycode.

Contents

oAuthScopes

The desired authorization scope for the Amazon Honeycode account.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IncrementalPullConfig

Specifies the configuration used when importing incremental records from the source.

Contents

datetimeTypeFieldName

A field that specifies the date time or timestamp field as the criteria to use when importing incremental records from the source.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InforNexusConnectorProfileCredentials

The connector-specific profile credentials required by Infor Nexus.

Contents

accessKeyId

The Access Key portion of the credentials.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

datakey

The encryption keys used to encrypt data.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

secretAccessKey

The secret key used to sign requests.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

userId

The identifier for the user.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InforNexusConnectorProfileProperties

The connector-specific profile properties required by Infor Nexus.

Contents

instanceUrl

The location of the Infor Nexus resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InforNexusMetadata

The connector metadata specific to Infor Nexus.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

InforNexusSourceProperties

The properties that are applied when Infor Nexus is being used as a source.

Contents

object

The object specified in the Infor Nexus flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LambdaConnectorProvisioningConfig

Contains information about the configuration of the lambda which is being registered as the connector.

Contents

lambdaArn

Lambda ARN of the connector being registered.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:.*:.*:[0-9]+:.*`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LookoutMetricsDestinationProperties

The properties that are applied when Amazon Lookout for Metrics is used as a destination.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MarketoConnectorProfileCredentials

The connector-specific profile credentials required by Marketo.

Contents

clientId

The identifier for the desired client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

accessToken

The credentials used to access protected Marketo resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MarketoConnectorProfileProperties

The connector-specific profile properties required when using Marketo.

Contents

instanceUrl

The location of the Marketo resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MarketoDestinationProperties

The properties that Amazon AppFlow applies when you use Marketo as a flow destination.

Contents

object

The object specified in the Marketo flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MarketoMetadata

The connector metadata specific to Marketo.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MarketoSourceProperties

The properties that are applied when Marketo is being used as a source.

Contents

object

The object specified in the Marketo flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MetadataCatalogConfig

Specifies the configuration that Amazon AppFlow uses when it catalogs your data. When Amazon AppFlow catalogs your data, it stores metadata in a data catalog.

Contents

glueDataCatalog

Specifies the configuration that Amazon AppFlow uses when it catalogs your data with the AWS Glue Data Catalog.

Type: GlueDataCatalogConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MetadataCatalogDetail

Describes the metadata catalog, metadata table, and data partitions that Amazon AppFlow used for the associated flow run.

Contents

catalogType

The type of metadata catalog that Amazon AppFlow used for the associated flow run. This parameter returns the following value:

GLUE

The metadata catalog is provided by the AWS Glue Data Catalog. AWS Glue includes the AWS Glue Data Catalog as a component.

Type: String

Valid Values: GLUE

Required: No

partitionRegistrationOutput

Describes the status of the attempt from Amazon AppFlow to register the data partitions with the metadata catalog. The data partitions organize the flow output into a hierarchical path, such as a folder path in an S3 bucket. Amazon AppFlow creates the partitions (if they don't already exist) based on your flow configuration.

Type: RegistrationOutput object

Required: No

tableName

The name of the table that stores the metadata for the associated flow run. The table stores metadata that represents the data that the flow transferred. Amazon AppFlow stores the table in the metadata catalog.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

tableRegistrationOutput

Describes the status of the attempt from Amazon AppFlow to register the metadata table with the metadata catalog. Amazon AppFlow creates or updates this table for the associated flow run.

Type: RegistrationOutput object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuth2Credentials

The OAuth 2.0 credentials required for OAuth 2.0 authentication.

Contents

accessToken

The access token used to access the connector on your behalf.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

clientId

The identifier for the desired client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

oAuthRequest

Used by select connectors for which the OAuth workflow is supported, such as Salesforce, Google Analytics, Marketo, Zendesk, and Slack.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The refresh token used to refresh an expired access token.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuth2CustomParameter

Custom parameter required for OAuth 2.0 authentication.

Contents

connectorSuppliedValues

Contains default values for this authentication parameter that are supplied by the connector.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `\S+`

Required: No

description

A description about the custom parameter used for OAuth 2.0 authentication.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

isRequired

Indicates whether the custom parameter for OAuth 2.0 authentication is required.

Type: Boolean

Required: No

isSensitiveField

Indicates whether this authentication custom parameter is a sensitive field.

Type: Boolean

Required: No

key

The key of the custom parameter required for OAuth 2.0 authentication.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

label

The label of the custom parameter used for OAuth 2.0 authentication.

Type: String

Length Constraints: Maximum length of 128.

Pattern: `.*`

Required: No

type

Indicates whether custom parameter is used with TokenUrl or AuthUrl.

Type: String

Valid Values: `TOKEN_URL | AUTH_URL`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuth2Defaults

Contains the default values required for OAuth 2.0 authentication.

Contents

authCodeUrls

Auth code URLs that can be used for OAuth 2.0 authentication.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: No

oauth2CustomProperties

List of custom parameters required for OAuth 2.0 authentication.

Type: Array of OAuth2CustomParameter objects

Required: No

oauth2GrantTypesSupported

OAuth 2.0 grant types supported by the connector.

Type: Array of strings

Valid Values: `CLIENT_CREDENTIALS | AUTHORIZATION_CODE | JWT_BEARER`

Required: No

oauthScopes

OAuth 2.0 scopes that the connector supports.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

tokenUrls

Token URLs that can be used for OAuth 2.0 authentication.

Type: Array of strings

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuth2Properties

The OAuth 2.0 properties required for OAuth 2.0 authentication.

Contents

oAuth2GrantType

The OAuth 2.0 grant type used by connector for OAuth 2.0 authentication.

Type: String

Valid Values: `CLIENT_CREDENTIALS | AUTHORIZATION_CODE | JWT_BEARER`

Required: Yes

tokenUrl

The token URL required for OAuth 2.0 authentication.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: Yes

tokenUrlCustomProperties

Associates your token URL with a map of properties that you define. Use this parameter to provide any additional details that the connector requires to authenticate your request.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `[\w]+`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `\S+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuthCredentials

The OAuth credentials required for OAuth type authentication.

Contents

clientId

The identifier for the desired client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

accessToken

The access token used to access protected SAPOData resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The refresh token used to refresh expired access token.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OAuthProperties

The OAuth properties required for OAuth type authentication.

Contents

authCodeUrl

The authorization code url required to redirect to SAP Login Page to fetch authorization code for OAuth type authentication.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: Yes

oAuthScopes

The OAuth scopes required for OAuth type authentication.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: Yes

tokenUrl

The token url required to fetch access/refresh tokens using authorization code and also to refresh expired access token using refresh token.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PardotConnectorProfileCredentials

The connector-specific profile credentials required when using Salesforce Pardot.

Contents

accessToken

The credentials used to access protected Salesforce Pardot resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

clientCredentialsArn

The secret manager ARN, which contains the client ID and client secret of the connected app.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:secretsmanager:.*:[0-9]+:.*`

Required: No

oAuthRequest

Used by select connectors for which the OAuth workflow is supported, such as Salesforce, Google Analytics, Marketo, Zendesk, and Slack.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The credentials used to acquire new access tokens.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PardotConnectorProfileProperties

The connector-specific profile properties required when using Salesforce Pardot.

Contents

businessUnitId

The business unit id of Salesforce Pardot instance.

Type: String

Length Constraints: Maximum length of 18.

Pattern: \S+

Required: No

instanceUrl

The location of the Salesforce Pardot resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

isSandboxEnvironment

Indicates whether the connector profile applies to a sandbox or production environment.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PardotMetadata

The connector metadata specific to Salesforce Pardot.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PardotSourceProperties

The properties that are applied when Salesforce Pardot is being used as a source.

Contents

object

The object specified in the Salesforce Pardot flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrefixConfig

Specifies elements that Amazon AppFlow includes in the file and folder names in the flow destination.

Contents

pathPrefixHierarchy

Specifies whether the destination file path includes either or both of the following elements:

EXECUTION_ID

The ID that Amazon AppFlow assigns to the flow run.

SCHEMA_VERSION

The version number of your data schema. Amazon AppFlow assigns this version number. The version number increases by one when you change any of the following settings in your flow configuration:

- Source-to-destination field mappings
- Field data types
- Partition keys

Type: Array of strings

Valid Values: `EXECUTION_ID | SCHEMA_VERSION`

Required: No

prefixFormat

Determines the level of granularity for the date and time that's included in the prefix.

Type: String

Valid Values: `YEAR | MONTH | DAY | HOUR | MINUTE`

Required: No

prefixType

Determines the format of the prefix, and whether it applies to the file name, file path, or both.

Type: String

Valid Values: `FILENAME | PATH | PATH_AND_FILENAME`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PrivateConnectionProvisioningState

Specifies the private connection provisioning state.

Contents

failureCause

Specifies the private connection provisioning failure cause.

Type: String

Valid Values: `CONNECTOR_AUTHENTICATION | CONNECTOR_SERVER | INTERNAL_SERVER | ACCESS_DENIED | VALIDATION`

Required: No

failureMessage

Specifies the private connection provisioning failure reason.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `[\s\w/!@#+=.-]*`

Required: No

status

Specifies the private connection provisioning status.

Type: String

Valid Values: `FAILED | PENDING | CREATED`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Range

The range of values that the property supports.

Contents

maximum

Maximum value supported by the field.

Type: Double

Required: No

minimum

Minimum value supported by the field.

Type: Double

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RedshiftConnectorProfileCredentials

The connector-specific profile credentials required when using Amazon Redshift.

Contents

password

The password that corresponds to the user name.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

username

The name of the user.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RedshiftConnectorProfileProperties

The connector-specific profile properties when using Amazon Redshift.

Contents

bucketName

A name for the associated Amazon S3 bucket.

Type: String

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

Pattern: `\S+`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of IAM role that grants Amazon Redshift read-only access to Amazon S3. For more information, and for the polices that you attach to this role, see Allow Amazon Redshift to access your Amazon AppFlow data in Amazon S3.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: Yes

bucketPrefix

The object key for the destination bucket in which Amazon AppFlow places the files.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

clusterIdentifier

The unique ID that's assigned to an Amazon Redshift cluster.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

dataApiRoleArn

The Amazon Resource Name (ARN) of an IAM role that permits Amazon AppFlow to access your Amazon Redshift database through the Data API. For more information, and for the polices that you attach to this role, see Allow Amazon AppFlow to access Amazon Redshift databases with the Data API.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[0-9]+:.*`

Required: No

databaseName

The name of an Amazon Redshift database.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

databaseUrl

The JDBC URL of the Amazon Redshift cluster.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

isRedshiftServerless

Indicates whether the connector profile defines a connection to an Amazon Redshift Serverless data warehouse.

Type: Boolean

Required: No

workgroupName

The name of an Amazon Redshift workgroup.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RedshiftDestinationProperties

The properties that are applied when Amazon Redshift is being used as a destination.

Contents

intermediateBucketName

The intermediate bucket that Amazon AppFlow uses when moving data into Amazon Redshift.

Type: String

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

Pattern: \S+

Required: Yes

object

The object specified in the Amazon Redshift flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

bucketPrefix

The object key for the bucket in which Amazon AppFlow places the destination files.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the Amazon Redshift destination. For example, this setting would determine if the flow should fail

after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RedshiftMetadata

The connector metadata specific to Amazon Redshift.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RegistrationOutput

Describes the status of an attempt from Amazon AppFlow to register a resource.

When you run a flow that you've configured to use a metadata catalog, Amazon AppFlow registers a metadata table and data partitions with that catalog. This operation provides the status of that registration attempt. The operation also indicates how many related resources Amazon AppFlow created or updated.

Contents

message

Explains the status of the registration attempt from Amazon AppFlow. If the attempt fails, the message explains why.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

result

Indicates the number of resources that Amazon AppFlow created or updated. Possible resources include metadata tables and data partitions.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: No

status

Indicates the status of the registration attempt from Amazon AppFlow.

Type: String

Valid Values: `InProgress | Successful | Error | CancelStarted | Canceled`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3DestinationProperties

The properties that are applied when Amazon S3 is used as a destination.

Contents

bucketName

The Amazon S3 bucket name in which Amazon AppFlow places the transferred data.

Type: String

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

Pattern: \S+

Required: Yes

bucketPrefix

The object key for the destination bucket in which Amazon AppFlow places the files.

Type: String

Length Constraints: Maximum length of 512.

Pattern: .*

Required: No

s3OutputFormatConfig

The configuration that determines how Amazon AppFlow should format the flow output data when Amazon S3 is used as the destination.

Type: S3OutputFormatConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3InputFormatConfig

When you use Amazon S3 as the source, the configuration format that you provide the flow input data.

Contents

s3InputFileType

The file type that Amazon AppFlow gets from your Amazon S3 bucket.

Type: String

Valid Values: `CSV` | `JSON`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3Metadata

The connector metadata specific to Amazon S3.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3OutputFormatConfig

The configuration that determines how Amazon AppFlow should format the flow output data when Amazon S3 is used as the destination.

Contents

aggregationConfig

The aggregation settings that you can use to customize the output format of your flow data.

Type: AggregationConfig object

Required: No

fileType

Indicates the file type that Amazon AppFlow places in the Amazon S3 bucket.

Type: String

Valid Values: `CSV | JSON | PARQUET`

Required: No

prefixConfig

Determines the prefix that Amazon AppFlow applies to the folder name in the Amazon S3 bucket. You can name folders according to the flow frequency and date.

Type: PrefixConfig object

Required: No

preserveSourceDataTyping

If your file output format is Parquet, use this parameter to set whether Amazon AppFlow preserves the data types in your source data when it writes the output to Amazon S3.

- `true`: Amazon AppFlow preserves the data types when it writes to Amazon S3. For example, an integer or 1 in your source data is still an integer in your output.
- `false`: Amazon AppFlow converts all of the source data into strings when it writes to Amazon S3. For example, an integer of 1 in your source data becomes the string `"1"` in the output.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3SourceProperties

The properties that are applied when Amazon S3 is being used as the flow source.

Contents

bucketName

The Amazon S3 bucket name where the source files are stored.

Type: String

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

Pattern: \S+

Required: Yes

bucketPrefix

The object key for the Amazon S3 bucket in which the source files are stored.

Type: String

Length Constraints: Maximum length of 512.

Pattern: .*

Required: No

s3InputFormatConfig

When you use Amazon S3 as the source, the configuration format that you provide the flow input data.

Type: S3InputFormatConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SalesforceConnectorProfileCredentials

The connector-specific profile credentials required when using Salesforce.

Contents

accessToken

The credentials used to access protected Salesforce resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: `\S+`

Required: No

clientCredentialsArn

The secret manager ARN, which contains the client ID and client secret of the connected app.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws:secretsmanager:.*:[0-9]+:.*`

Required: No

jwtToken

A JSON web token (JWT) that authorizes Amazon AppFlow to access your Salesforce records.

Type: String

Length Constraints: Maximum length of 8000.

Pattern: `^([a-zA-Z0-9_=]+)\.([a-zA-Z0-9_=]+)\.([a-zA-Z0-9_\-\+\/=]*)`

Required: No

oAuth2GrantType

Specifies the OAuth 2.0 grant type that Amazon AppFlow uses when it requests an access token from Salesforce. Amazon AppFlow requires an access token each time it attempts to access your Salesforce records.

You can specify one of the following values:

AUTHORIZATION_CODE

Amazon AppFlow passes an authorization code when it requests the access token from Salesforce. Amazon AppFlow receives the authorization code from Salesforce after you log in to your Salesforce account and authorize Amazon AppFlow to access your records.

JWT_BEARER

Amazon AppFlow passes a JSON web token (JWT) when it requests the access token from Salesforce. You provide the JWT to Amazon AppFlow when you define the connection to your Salesforce account. When you use this grant type, you don't need to log in to your Salesforce account to authorize Amazon AppFlow to access your records.

> **Note**
>
> The CLIENT_CREDENTIALS value is not supported for Salesforce.

Type: String

Valid Values: `CLIENT_CREDENTIALS | AUTHORIZATION_CODE | JWT_BEARER`

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

refreshToken

The credentials used to acquire new access tokens.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SalesforceConnectorProfileProperties

The connector-specific profile properties required when using Salesforce.

Contents

instanceUrl

The location of the Salesforce resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

isSandboxEnvironment

Indicates whether the connector profile applies to a sandbox or production environment.

Type: Boolean

Required: No

usePrivateLinkForMetadataAndAuthorization

If the connection mode for the connector profile is private, this parameter sets whether Amazon AppFlow uses the private network to send metadata and authorization calls to Salesforce. Amazon AppFlow sends private calls through AWS PrivateLink. These calls travel through AWS infrastructure without being exposed to the public internet.

Set either of the following values:

true

Amazon AppFlow sends all calls to Salesforce over the private network.

These private calls are:

- Calls to get metadata about your Salesforce records. This metadata describes your Salesforce objects and their fields.
- Calls to get or refresh access tokens that allow Amazon AppFlow to access your Salesforce records.

- Calls to transfer your Salesforce records as part of a flow run.

false

The default value. Amazon AppFlow sends some calls to Salesforce privately and other calls over the public internet.

The public calls are:

- Calls to get metadata about your Salesforce records.
- Calls to get or refresh access tokens.

The private calls are:

- Calls to transfer your Salesforce records as part of a flow run.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SalesforceDestinationProperties

The properties that are applied when Salesforce is being used as a destination.

Contents

object

The object specified in the Salesforce flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

dataTransferApi

Specifies which Salesforce API is used by Amazon AppFlow when your flow transfers data to Salesforce.

AUTOMATIC

The default. Amazon AppFlow selects which API to use based on the number of records that your flow transfers to Salesforce. If your flow transfers fewer than 1,000 records, Amazon AppFlow uses Salesforce REST API. If your flow transfers 1,000 records or more, Amazon AppFlow uses Salesforce Bulk API 2.0.

Each of these Salesforce APIs structures data differently. If Amazon AppFlow selects the API automatically, be aware that, for recurring flows, the data output might vary from one flow run to the next. For example, if a flow runs daily, it might use REST API on one day to transfer 900 records, and it might use Bulk API 2.0 on the next day to transfer 1,100 records. For each of these flow runs, the respective Salesforce API formats the data differently. Some of the differences include how dates are formatted and null values are represented. Also, Bulk API 2.0 doesn't transfer Salesforce compound fields.

By choosing this option, you optimize flow performance for both small and large data transfers, but the tradeoff is inconsistent formatting in the output.

BULKV2

Amazon AppFlow uses only Salesforce Bulk API 2.0. This API runs asynchronous data transfers, and it's optimal for large sets of data. By choosing this option, you ensure that your flow writes consistent output, but you optimize performance only for large data transfers.

Note that Bulk API 2.0 does not transfer Salesforce compound fields.

REST_SYNC

Amazon AppFlow uses only Salesforce REST API. By choosing this option, you ensure that your flow writes consistent output, but you decrease performance for large data transfers that are better suited for Bulk API 2.0. In some cases, if your flow attempts to transfer a vary large set of data, it might fail with a timed out error.

Type: String

Valid Values: `AUTOMATIC | BULKV2 | REST_SYNC`

Required: No

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the Salesforce destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

idFieldNames

The name of the field that Amazon AppFlow uses as an ID when performing a write operation such as update or delete.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

writeOperationType

This specifies the type of write operation to be performed in Salesforce. When the value is `UPSERT`, then `idFieldNames` is required.

Type: String

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SalesforceMetadata

The connector metadata specific to Salesforce.

Contents

dataTransferApis

The Salesforce APIs that you can have Amazon AppFlow use when your flows transfers data to or from Salesforce.

Type: Array of strings

Valid Values: `AUTOMATIC | BULKV2 | REST_SYNC`

Required: No

oauth2GrantTypesSupported

The OAuth 2.0 grant types that Amazon AppFlow can use when it requests an access token from Salesforce. Amazon AppFlow requires an access token each time it attempts to access your Salesforce records.

AUTHORIZATION_CODE

Amazon AppFlow passes an authorization code when it requests the access token from Salesforce. Amazon AppFlow receives the authorization code from Salesforce after you log in to your Salesforce account and authorize Amazon AppFlow to access your records.

JWT_BEARER

Amazon AppFlow passes a JSON web token (JWT) when it requests the access token from Salesforce. You provide the JWT to Amazon AppFlow when you define the connection to your Salesforce account. When you use this grant type, you don't need to log in to your Salesforce account to authorize Amazon AppFlow to access your records.

> **Note**
>
> The CLIENT_CREDENTIALS value is not supported for Salesforce.

Type: Array of strings

Valid Values: `CLIENT_CREDENTIALS | AUTHORIZATION_CODE | JWT_BEARER`

Required: No

oAuthScopes

The desired authorization scope for the Salesforce account.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SalesforceSourceProperties

The properties that are applied when Salesforce is being used as a source.

Contents

object

The object specified in the Salesforce flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

dataTransferApi

Specifies which Salesforce API is used by Amazon AppFlow when your flow transfers data from Salesforce.

AUTOMATIC

The default. Amazon AppFlow selects which API to use based on the number of records that your flow transfers from Salesforce. If your flow transfers fewer than 1,000,000 records, Amazon AppFlow uses Salesforce REST API. If your flow transfers 1,000,000 records or more, Amazon AppFlow uses Salesforce Bulk API 2.0.

Each of these Salesforce APIs structures data differently. If Amazon AppFlow selects the API automatically, be aware that, for recurring flows, the data output might vary from one flow run to the next. For example, if a flow runs daily, it might use REST API on one day to transfer 900,000 records, and it might use Bulk API 2.0 on the next day to transfer 1,100,000 records. For each of these flow runs, the respective Salesforce API formats the data differently. Some of the differences include how dates are formatted and null values are represented. Also, Bulk API 2.0 doesn't transfer Salesforce compound fields.

By choosing this option, you optimize flow performance for both small and large data transfers, but the tradeoff is inconsistent formatting in the output.

BULKV2

Amazon AppFlow uses only Salesforce Bulk API 2.0. This API runs asynchronous data transfers, and it's optimal for large sets of data. By choosing this option, you ensure that your flow writes consistent output, but you optimize performance only for large data transfers.

Note that Bulk API 2.0 does not transfer Salesforce compound fields.

REST_SYNC

Amazon AppFlow uses only Salesforce REST API. By choosing this option, you ensure that your flow writes consistent output, but you decrease performance for large data transfers that are better suited for Bulk API 2.0. In some cases, if your flow attempts to transfer a vary large set of data, it might fail wituh a timed out error.

Type: String

Valid Values: `AUTOMATIC | BULKV2 | REST_SYNC`

Required: No

enableDynamicFieldUpdate

The flag that enables dynamic fetching of new (recently added) fields in the Salesforce objects while running a flow.

Type: Boolean

Required: No

includeDeletedRecords

Indicates whether Amazon AppFlow includes deleted files in the flow run.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataConnectorProfileCredentials

The connector-specific profile credentials required when using SAPOData.

Contents

basicAuthCredentials

The SAPOData basic authentication credentials.

Type: BasicAuthCredentials object

Required: No

oAuthCredentials

The SAPOData OAuth type authentication credentials.

Type: OAuthCredentials object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataConnectorProfileProperties

The connector-specific profile properties required when using SAPOData.

Contents

applicationHostUrl

The location of the SAPOData resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `^(https?)://[-a-zA-Z0-9+&@#/%?=~_|!:,.;]*[-a-zA-Z0-9+&@#/%=~_|]`

Required: Yes

applicationServicePath

The application path to catalog service.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

clientNumber

The client number for the client creating the connection.

Type: String

Length Constraints: Fixed length of 3.

Pattern: `^\d{3}$`

Required: Yes

portNumber

The port number of the SAPOData instance.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65535.

Required: Yes

disableSSO

If you set this parameter to `true`, Amazon AppFlow bypasses the single sign-on (SSO) settings in your SAP account when it accesses your SAP OData instance.

Whether you need this option depends on the types of credentials that you applied to your SAP OData connection profile. If your profile uses basic authentication credentials, SAP SSO can prevent Amazon AppFlow from connecting to your account with your username and password. In this case, bypassing SSO makes it possible for Amazon AppFlow to connect successfully. However, if your profile uses OAuth credentials, this parameter has no affect.

Type: Boolean

Required: No

logonLanguage

The logon language of SAPOData instance.

Type: String

Length Constraints: Maximum length of 2.

Pattern: `^[a-zA-Z0-9_]*$`

Required: No

oAuthProperties

The SAPOData OAuth properties required for OAuth type authentication.

Type: OAuthProperties object

Required: No

privateLinkServiceName

The SAPOData Private Link service name to be used for private data transfers.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `^$|com.amazonaws.vpce.[\w/!:@#.\-]+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataDestinationProperties

The properties that are applied when using SAPOData as a flow destination

Contents

objectPath

The object path specified in the SAPOData flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

idFieldNames

A list of field names that can be used as an ID field when performing a write operation.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

successResponseHandlingConfig

Determines how Amazon AppFlow handles the success response that it gets from the connector after placing data.

For example, this setting would determine where to write the response from a destination connector upon a successful insert operation.

Type: SuccessResponseHandlingConfig object

Required: No

writeOperationType

The possible write operations in the destination connector. When this value is not provided, this defaults to the `INSERT` operation.

Type: String

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataMetadata

The connector metadata specific to SAPOData.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataPaginationConfig

Sets the page size for each *concurrent process* that transfers OData records from your SAP instance. A concurrent process is query that retrieves a batch of records as part of a flow run. Amazon AppFlow can run multiple concurrent processes in parallel to transfer data faster.

Contents

maxPageSize

The maximum number of records that Amazon AppFlow receives in each page of the response from your SAP application. For transfers of OData records, the maximum page size is 3,000. For transfers of data that comes from an ODP provider, the maximum page size is 10,000.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataParallelismConfig

Sets the number of *concurrent processes* that transfer OData records from your SAP instance. A concurrent process is query that retrieves a batch of records as part of a flow run. Amazon AppFlow can run multiple concurrent processes in parallel to transfer data faster.

Contents

maxParallelism

The maximum number of processes that Amazon AppFlow runs at the same time when it retrieves your data from your SAP application.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10.

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SAPODataSourceProperties

The properties that are applied when using SAPOData as a flow source.

Contents

objectPath

The object path specified in the SAPOData flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

paginationConfig

Sets the page size for each concurrent process that transfers OData records from your SAP instance.

Type: SAPODataPaginationConfig object

Required: No

parallelismConfig

Sets the number of concurrent processes that transfers OData records from your SAP instance.

Type: SAPODataParallelismConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ScheduledTriggerProperties

Specifies the configuration details of a schedule-triggered flow as defined by the user. Currently, these settings only apply to the `Scheduled` trigger type.

Contents

scheduleExpression

The scheduling expression that determines the rate at which the schedule will run, for example `rate(5minutes)`.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: Yes

dataPullMode

Specifies whether a scheduled flow has an incremental data transfer or a complete data transfer for each flow run.

Type: String

Valid Values: `Incremental | Complete`

Required: No

firstExecutionFrom

Specifies the date range for the records to import from the connector in the first flow run.

Type: Timestamp

Required: No

flowErrorDeactivationThreshold

Defines how many times a scheduled flow fails consecutively before Amazon AppFlow deactivates it.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

scheduleEndTime

The time at which the scheduled flow ends. The time is formatted as a timestamp that follows the ISO 8601 standard, such as `2022-04-27T13:00:00-07:00`.

Type: Timestamp

Required: No

scheduleOffset

Specifies the optional offset that is added to the time interval for a schedule-triggered flow.

Type: Long

Valid Range: Minimum value of 0. Maximum value of 36000.

Required: No

scheduleStartTime

The time at which the scheduled flow starts. The time is formatted as a timestamp that follows the ISO 8601 standard, such as `2022-04-26T13:00:00-07:00`.

Type: Timestamp

Required: No

timezone

Specifies the time zone used when referring to the dates and times of a scheduled flow, such as `America/New_York`. This time zone is only a descriptive label. It doesn't affect how Amazon AppFlow interprets the timestamps that you specify to schedule the flow.

If you want to schedule a flow by using times in a particular time zone, indicate the time zone as a UTC offset in your timestamps. For example, the UTC offsets for the `America/New_York` timezone are `-04:00` EDT and `-05:00 EST`.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceNowConnectorProfileCredentials

The connector-specific profile credentials required when using ServiceNow.

Contents

oAuth2Credentials

The OAuth 2.0 credentials required to authenticate the user.

Type: OAuth2Credentials object

Required: No

password

The password that corresponds to the user name.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

username

The name of the user.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceNowConnectorProfileProperties

The connector-specific profile properties required when using ServiceNow.

Contents

instanceUrl

The location of the ServiceNow resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceNowMetadata

The connector metadata specific to ServiceNow.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceNowSourceProperties

The properties that are applied when ServiceNow is being used as a source.

Contents

object

The object specified in the ServiceNow flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SingularConnectorProfileCredentials

The connector-specific profile credentials required when using Singular.

Contents

apiKey

A unique alphanumeric identifier used to authenticate a user, developer, or calling program to your API.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SingularConnectorProfileProperties

The connector-specific profile properties required when using Singular.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SingularMetadata

The connector metadata specific to Singular.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SingularSourceProperties

The properties that are applied when Singular is being used as a source.

Contents

object

The object specified in the Singular flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SlackConnectorProfileCredentials

The connector-specific profile credentials required when using Slack.

Contents

clientId

The identifier for the client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

accessToken

The credentials used to access protected Slack resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SlackConnectorProfileProperties

The connector-specific profile properties required when using Slack.

Contents

instanceUrl

The location of the Slack resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SlackMetadata

The connector metadata specific to Slack.

Contents

oAuthScopes

The desired authorization scope for the Slack account.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SlackSourceProperties

The properties that are applied when Slack is being used as a source.

Contents

object

The object specified in the Slack flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnowflakeConnectorProfileCredentials

The connector-specific profile credentials required when using Snowflake.

Contents

password

The password that corresponds to the user name.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: Yes

username

The name of the user.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnowflakeConnectorProfileProperties

The connector-specific profile properties required when using Snowflake.

Contents

bucketName

The name of the Amazon S3 bucket associated with Snowflake.

Type: String

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

Pattern: `\S+`

Required: Yes

stage

The name of the Amazon S3 stage that was created while setting up an Amazon S3 stage in the Snowflake account. This is written in the following format: < Database>< Schema><Stage Name>.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

warehouse

The name of the Snowflake warehouse.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `[\s\w/!@#+=.-]*`

Required: Yes

accountName

The name of the account.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: No

bucketPrefix

The bucket path that refers to the Amazon S3 bucket associated with Snowflake.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

privateLinkServiceName

The Snowflake Private Link service name to be used for private data transfers.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `^$|com.amazonaws.vpce.[\w/!:@#.\-]+`

Required: No

region

The AWS Region of the Snowflake account.

Type: String

Length Constraints: Maximum length of 64.

Pattern: `\S+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnowflakeDestinationProperties

The properties that are applied when Snowflake is being used as a destination.

Contents

intermediateBucketName

The intermediate bucket that Amazon AppFlow uses when moving data into Snowflake.

Type: String

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

Pattern: \S+

Required: Yes

object

The object specified in the Snowflake flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

bucketPrefix

The object key for the destination bucket in which Amazon AppFlow places the files.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the Snowflake destination. For example, this setting would determine if the flow should fail after

one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SnowflakeMetadata

The connector metadata specific to Snowflake.

Contents

supportedRegions

Specifies the supported AWS Regions when using Snowflake.

Type: Array of strings

Length Constraints: Maximum length of 64.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceConnectorProperties

Specifies the information that is required to query a particular connector.

Contents

Amplitude

Specifies the information that is required for querying Amplitude.

Type: AmplitudeSourceProperties object

Required: No

CustomConnector

The properties that are applied when the custom connector is being used as a source.

Type: CustomConnectorSourceProperties object

Required: No

Datadog

Specifies the information that is required for querying Datadog.

Type: DatadogSourceProperties object

Required: No

Dynatrace

Specifies the information that is required for querying Dynatrace.

Type: DynatraceSourceProperties object

Required: No

GoogleAnalytics

Specifies the information that is required for querying Google Analytics.

Type: GoogleAnalyticsSourceProperties object

Required: No

InforNexus

Specifies the information that is required for querying Infor Nexus.

Type: InforNexusSourceProperties object

Required: No

Marketo

Specifies the information that is required for querying Marketo.

Type: MarketoSourceProperties object

Required: No

Pardot

Specifies the information that is required for querying Salesforce Pardot.

Type: PardotSourceProperties object

Required: No

S3

Specifies the information that is required for querying Amazon S3.

Type: S3SourceProperties object

Required: No

Salesforce

Specifies the information that is required for querying Salesforce.

Type: SalesforceSourceProperties object

Required: No

SAPOData

The properties that are applied when using SAPOData as a flow source.

Type: SAPODataSourceProperties object

Required: No

ServiceNow

Specifies the information that is required for querying ServiceNow.

Type: ServiceNowSourceProperties object

Required: No

Singular

Specifies the information that is required for querying Singular.

Type: SingularSourceProperties object

Required: No

Slack

Specifies the information that is required for querying Slack.

Type: SlackSourceProperties object

Required: No

Trendmicro

Specifies the information that is required for querying Trend Micro.

Type: TrendmicroSourceProperties object

Required: No

Veeva

Specifies the information that is required for querying Veeva.

Type: VeevaSourceProperties object

Required: No

Zendesk

Specifies the information that is required for querying Zendesk.

Type: ZendeskSourceProperties object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceFieldProperties

The properties that can be applied to a field when the connector is being used as a source.

Contents

isQueryable

Indicates if the field can be queried.

Type: Boolean

Required: No

isRetrievable

Indicates whether the field can be returned in a search result.

Type: Boolean

Required: No

isTimestampFieldForIncrementalQueries

Indicates if this timestamp field can be used for incremental queries.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SourceFlowConfig

Contains information about the configuration of the source connector used in the flow.

Contents

connectorType

The type of connector, such as Salesforce, Amplitude, and so on.

Type: String

Valid Values: `Salesforce | Singular | Slack | Redshift | S3 | Marketo | Googleanalytics | Zendesk | Servicenow | Datadog | Trendmicro | Snowflake | Dynatrace | Infornexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles | SAPOData | CustomConnector | Pardot`

Required: Yes

sourceConnectorProperties

Specifies the information that is required to query a particular source connector.

Type: SourceConnectorProperties object

Required: Yes

apiVersion

The API version of the connector when it's used as a source in the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: No

connectorProfileName

The name of the connector profile. This name must be unique for each connector profile in the AWS account.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `[\w/!@#+=.-]+`

Required: No

incrementalPullConfig

Defines the configuration for a scheduled incremental data pull. If a valid configuration is provided, the fields specified in the configuration are used when querying for the incremental data pull.

Type: IncrementalPullConfig object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SuccessResponseHandlingConfig

Determines how Amazon AppFlow handles the success response that it gets from the connector after placing data.

For example, this setting would determine where to write the response from the destination connector upon a successful insert operation.

Contents

bucketName

The name of the Amazon S3 bucket.

Type: String

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

Pattern: \S+

Required: No

bucketPrefix

The Amazon S3 bucket prefix.

Type: String

Length Constraints: Maximum length of 512.

Pattern: .*

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

SupportedFieldTypeDetails

Contains details regarding all the supported `FieldTypes` and their corresponding `filterOperators` and `supportedValues`.

Contents

v1

The initial supported version for `fieldType`. If this is later changed to a different version, v2 will be introduced.

Type: FieldTypeDetails object

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Task

A class for modeling different type of tasks. Task implementation varies based on the `TaskType`.

Contents

sourceFields

The source fields to which a particular task is applied.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `.*`

Required: Yes

taskType

Specifies the particular task implementation that Amazon AppFlow performs.

Type: String

Valid Values: `Arithmetic | Filter | Map | Map_all | Mask | Merge | Passthrough | Truncate | Validate | Partition`

Required: Yes

connectorOperator

The operation to be performed on the provided source fields.

Type: ConnectorOperator object

Required: No

destinationField

A field in a destination connector, or a field value against which Amazon AppFlow validates a source field.

Type: String

Length Constraints: Maximum length of 256.

Pattern: `.*`

Required: No

taskProperties

A map used to store task-related information. The execution service looks for particular information based on the `TaskType`.

Type: String to string map

Valid Keys: `VALUE | VALUES | DATA_TYPE | UPPER_BOUND | LOWER_BOUND | SOURCE_DATA_TYPE | DESTINATION_DATA_TYPE | VALIDATION_ACTION | MASK_VALUE | MASK_LENGTH | TRUNCATE_LENGTH | MATH_OPERATION_FIELDS_ORDER | CONCAT_FORMAT | SUBFIELD_CATEGORY_MAP | EXCLUDE_SOURCE_FIELDS_LIST | INCLUDE_NEW_FIELDS | ORDERED_PARTITION_KEYS_LIST`

Value Length Constraints: Maximum length of 2048.

Value Pattern: `.+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrendmicroConnectorProfileCredentials

The connector-specific profile credentials required when using Trend Micro.

Contents

apiSecretKey

The Secret Access Key portion of the credentials.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrendmicroConnectorProfileProperties

The connector-specific profile properties required when using Trend Micro.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrendmicroMetadata

The connector metadata specific to Trend Micro.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TrendmicroSourceProperties

The properties that are applied when using Trend Micro as a flow source.

Contents

object

The object specified in the Trend Micro flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TriggerConfig

The trigger settings that determine how and when Amazon AppFlow runs the specified flow.

Contents

triggerType

Specifies the type of flow trigger. This can be `OnDemand`, `Scheduled`, or `Event`.

Type: String

Valid Values: `Scheduled | Event | OnDemand`

Required: Yes

triggerProperties

Specifies the configuration details of a schedule-triggered flow as defined by the user. Currently, these settings only apply to the `Scheduled` trigger type.

Type: TriggerProperties object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TriggerProperties

Specifies the configuration details that control the trigger for a flow. Currently, these settings only apply to the `Scheduled` trigger type.

Contents

Scheduled

Specifies the configuration details of a schedule-triggered flow as defined by the user.

Type: ScheduledTriggerProperties object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpsolverDestinationProperties

The properties that are applied when Upsolver is used as a destination.

Contents

bucketName

The Upsolver Amazon S3 bucket name in which Amazon AppFlow places the transferred data.

Type: String

Length Constraints: Minimum length of 16. Maximum length of 63.

Pattern: `^(upsolver-appflow)\S*`

Required: Yes

s3OutputFormatConfig

The configuration that determines how data is formatted when Upsolver is used as the flow destination.

Type: UpsolverS3OutputFormatConfig object

Required: Yes

bucketPrefix

The object key for the destination Upsolver Amazon S3 bucket in which Amazon AppFlow places the files.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpsolverMetadata

The connector metadata specific to Upsolver.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpsolverS3OutputFormatConfig

The configuration that determines how Amazon AppFlow formats the flow output data when Upsolver is used as the destination.

Contents

prefixConfig

Specifies elements that Amazon AppFlow includes in the file and folder names in the flow destination.

Type: PrefixConfig object

Required: Yes

aggregationConfig

The aggregation settings that you can use to customize the output format of your flow data.

Type: AggregationConfig object

Required: No

fileType

Indicates the file type that Amazon AppFlow places in the Upsolver Amazon S3 bucket.

Type: String

Valid Values: `CSV | JSON | PARQUET`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VeevaConnectorProfileCredentials

The connector-specific profile credentials required when using Veeva.

Contents

password

The password that corresponds to the user name.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `.*`

Required: Yes

username

The name of the user.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VeevaConnectorProfileProperties

The connector-specific profile properties required when using Veeva.

Contents

instanceUrl

The location of the Veeva resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VeevaMetadata

The connector metadata specific to Veeva.

Contents

The members of this exception structure are context-dependent.

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VeevaSourceProperties

The properties that are applied when using Veeva as a flow source.

Contents

object

The object specified in the Veeva flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

documentType

The document type specified in the Veeva document extract flow.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `[\s\w_-]+`

Required: No

includeAllVersions

Boolean value to include All Versions of files in Veeva document extract flow.

Type: Boolean

Required: No

includeRenditions

Boolean value to include file renditions in Veeva document extract flow.

Type: Boolean

Required: No

includeSourceFiles

Boolean value to include source files in Veeva document extract flow.

Type: Boolean

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ZendeskConnectorProfileCredentials

The connector-specific profile credentials required when using Zendesk.

Contents

clientId

The identifier for the desired client.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

clientSecret

The client secret used by the OAuth client to authenticate to the authorization server.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

accessToken

The credentials used to access protected Zendesk resources.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: No

oAuthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: ConnectorOAuthRequest object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ZendeskConnectorProfileProperties

The connector-specific profile properties required when using Zendesk.

Contents

instanceUrl

The location of the Zendesk resource.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ZendeskDestinationProperties

The properties that are applied when Zendesk is used as a destination.

Contents

object

The object specified in the Zendesk flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

errorHandlingConfig

The settings that determine how Amazon AppFlow handles an error when placing data in the destination. For example, this setting would determine if the flow should fail after one insertion error, or continue and attempt to insert every record regardless of the initial failure. `ErrorHandlingConfig` is a part of the destination connector details.

Type: ErrorHandlingConfig object

Required: No

idFieldNames

A list of field names that can be used as an ID field when performing a write operation.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Maximum length of 128.

Pattern: `\S+`

Required: No

writeOperationType

The possible write operations in the destination connector. When this value is not provided, this defaults to the `INSERT` operation.

Type: String

Valid Values: `INSERT | UPSERT | UPDATE | DELETE`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ZendeskMetadata

The connector metadata specific to Zendesk.

Contents

oAuthScopes

The desired authorization scope for the Zendesk account.

Type: Array of strings

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ZendeskSourceProperties

The properties that are applied when using Zendesk as a flow source.

Contents

object

The object specified in the Zendesk flow source.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestExpired

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

HTTP Status Code: 400

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

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

HTTP Status Code: 403

UnknownOperationException

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

HTTP Status Code: 404

ValidationError

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

HTTP Status Code: 400