
AmazonAppFlow

API Reference

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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 AWS 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 October 6, 2021.

Actions

The following actions are supported:

- [CreateConnectorProfile](#) (p. 3)
- [CreateFlow](#) (p. 12)
- [DeleteConnectorProfile](#) (p. 25)
- [DeleteFlow](#) (p. 28)
- [DescribeConnectorEntity](#) (p. 31)
- [DescribeConnectorProfiles](#) (p. 62)
- [DescribeConnectors](#) (p. 67)
- [DescribeFlow](#) (p. 73)
- [DescribeFlowExecutionRecords](#) (p. 82)
- [ListConnectorEntities](#) (p. 87)
- [ListFlows](#) (p. 93)
- [ListTagsForResource](#) (p. 97)
- [StartFlow](#) (p. 99)
- [StopFlow](#) (p. 102)
- [TagResource](#) (p. 105)
- [UntagResource](#) (p. 107)
- [UpdateConnectorProfile](#) (p. 109)
- [UpdateFlow](#) (p. 115)

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.

Request Syntax

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

```
{
  "connectionMode": "string",
  "connectorProfileConfig": {
    "connectorProfileCredentials": {
      "Amplitude": {
        "apiKey": "string",
        "secretKey": "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"
        }
      },
      "Redshift": {
        "password": "string",
        "username": "string"
      }
    }
  }
}
```

```
    },
    "Salesforce": {
      "accessToken": "string",
      "clientCredentialsArn": "string",
      "oAuthRequest": {
        "authCode": "string",
        "redirectUri": "string"
      },
      "refreshToken": "string"
    },
    "ServiceNow": {
      "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": {
    },
    "Datadog": {
      "instanceUrl": "string"
    },
    "Dynatrace": {
      "instanceUrl": "string"
    },
    "GoogleAnalytics": {
    },
    "Honeycode": {
    },
    "InforNexus": {
      "instanceUrl": "string"
    },
    "Marketo": {
      "instanceUrl": "string"
    },
  },
```

```
    "Redshift": {
      "bucketName": "string",
      "bucketPrefix": "string",
      "databaseUrl": "string",
      "roleArn": "string"
    },
    "Salesforce": {
      "instanceUrl": "string",
      "isSandboxEnvironment": boolean
    },
    "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.

connectionMode (p. 3)

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

connectorProfileConfig (p. 3)

Defines the connector-specific configuration and credentials.

Type: [ConnectorProfileConfig](#) (p. 147) object

Required: Yes

[connectorProfileName](#) (p. 3)

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](#) (p. 3)

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` | `Informexus` | `Amplitude` | `Veeva` | `EventBridge` | `LookoutMetrics` | `Upsolver` | `Honeycode` | `CustomerProfiles`

Required: Yes

[kmsArn](#) (p. 3)

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 (p. 6)

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

Type: String

Length Constraints: Maximum length of 512.

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 267\)](#).

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

InternalServerErrorException

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

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",
  "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>:connector-profile/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>:connector-profile/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>:connector-profile/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>:connector-profile/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>:connector-profile/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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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

{
  "description": "string",
  "destinationFlowConfigList": [
    {
      "connectorProfileName": "string",
      "connectorType": "string",
      "destinationConnectorProperties": {
        "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": {
        },
        "Redshift": {
          "bucketPrefix": "string",
          "errorHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "failOnFirstDestinationError": boolean
          },
          "intermediateBucketName": "string",
          "object": "string"
        },
        "S3": {
          "bucketName": "string",
          "bucketPrefix": "string",
          "s3OutputFormatConfig": {
            "aggregationConfig": {
              "aggregationType": "string"
            },
            "fileType": "string",
            "prefixConfig": {
              "prefixFormat": "string",
              "prefixType": "string"
            }
          }
        }
      }
    }
  ]
}
```

```

    }
  },
  "Salesforce": {
    "errorHandlingConfig": {
      "bucketName": "string",
      "bucketPrefix": "string",
      "failOnFirstDestinationError": boolean
    },
    "idFieldNames": [ "string" ],
    "object": "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"
      },
      "fileType": "string",
      "prefixConfig": {
        "prefixFormat": "string",
        "prefixType": "string"
      }
    }
  }
}

],
"flowName": "string",
"kmsArn": "string",
"sourceFlowConfig": {
  "connectorProfileName": "string",
  "connectorType": "string",
  "incrementalPullConfig": {
    "datetimeTypeFieldName": "string"
  },
  "sourceConnectorProperties": {
    "Amplitude": {
      "object": "string"
    },
    "Datadog": {
      "object": "string"
    },
    "Dynatrace": {
      "object": "string"
    },
    "GoogleAnalytics": {
      "object": "string"
    },
    "InforNexus": {
      "object": "string"
    },
    "Marketo": {
      "object": "string"
    }
  }
}

```



```

    },
    "S3": {
        "bucketName": "string",
        "bucketPrefix": "string"
    },
    "Salesforce": {
        "enableDynamicFieldUpdate": boolean,
        "includeDeletedRecords": boolean,
        "object": "string"
    },
    "ServiceNow": {
        "object": "string"
    },
    "Singular": {
        "object": "string"
    },
    "Slack": {
        "object": "string"
    },
    "Trendmicro": {
        "object": "string"
    },
    "Veeva": {
        "object": "string"
    },
    "Zendesk": {
        "object": "string"
    }
}
},
"tags": {
    "string" : "string"
},
"tasks": [
    {
        "connectorOperator": {
            "Amplitude": "string",
            "Datadog": "string",
            "Dynatrace": "string",
            "GoogleAnalytics": "string",
            "InforNexus": "string",
            "Marketo": "string",
            "S3": "string",
            "Salesforce": "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,
            "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.

description (p. 12)

A description of the flow you want to create.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: [`\w!@#\$%&'()*+,-.:/\s`]*

Required: No

destinationFlowConfigList (p. 12)

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

Type: Array of [DestinationFlowConfig](#) (p. 163) objects

Required: Yes

flowName (p. 12)

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_\-\.`]*

Required: Yes

kmsArn (p. 12)

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

sourceFlowConfig (p. 12)

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

Type: [SourceFlowConfig](#) (p. 243) object

Required: Yes

tags (p. 12)

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 (p. 12)

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

Type: Array of [Task](#) (p. 245) objects

Required: Yes

triggerConfig (p. 12)

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

Type: [TriggerConfig](#) (p. 251) 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 (p. 16)

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

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

flowStatus (p. 16)

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 \(p. 267\)](#).

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

InternalServerError

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": "testFlowSalesforce",
  "description": "TestFlow",
  "triggerConfig": {
    "triggerType": "Scheduled",
    "triggerProperties": {
      "scheduledTriggerProperties": {
        "scheduleExpression": "rate(1minutes)"
      }
    }
  },
  "sourceFlowConfig": {
    "connectorType": "Salesforce",
    "connectorProfileName": "Connector_Profile_Name",
    "sourceConnectorProperties": {
      "salesforce": {
        "object": "account"
      }
    }
  },
  "destinationFlowConfigList": [
    {
      "connectorType": "S3",
      "destinationConnectorProperties": {
        "s3": {
          "bucketName": "BucketName",
          "bucketKey": "BucketKey"
        }
      }
    }
  ],
  "tasks": [
    {
      "sourceFields": [
        "CreatedDate"
      ],
      "taskProperties": {
        "destinationField": "CreatedDate",
        "taskType": "Map"
      }
    },
    {
      "destinationField": "LastActivityDate",
      "sourceFields": [
        "LastActivityDate"
      ],
      "taskProperties": {
        "destinationField": "LastActivityDate",
        "taskType": "Map"
      }
    }
  ]
}
```

```
        "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().withInstanceId(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.

```
ask 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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 25)

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 (p. 25)

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 \(p. 267\)](#).

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

InternalServerError

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 28)

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 (p. 28)

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 \(p. 267\)](#).

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

InternalServerError

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

Request Syntax

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

{
  "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.

connectorEntityName (p. 31)

The entity name for that connector.

Type: String

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: Yes

connectorProfileName (p. 31)

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 (p. 31)

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles

Required: No

Response Syntax

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

{
  "connectorEntityFields": [
    {
      "description": "string",
      "destinationProperties": {
        "isCreatable": boolean,
        "isNullable": boolean,
        "isUpdatable": boolean,
        "isUpsertable": boolean,
        "supportedWriteOperations": [ "string" ]
      },
      "identifier": "string",
      "label": "string",
      "sourceProperties": {
        "isQueryable": boolean,
        "isRetrievable": boolean
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [ "string" ],
          "supportedValues": [ "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 (p. 32)

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](#) (p. 135) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 267).

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

InternalServerErrorException

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": [
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        "EQUAL_TO"
      ],
      "supportedValues": []
    }
  },
  {
    "description": "Deleted",
    "destinationProperties": {
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      "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": {
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        "isNullable": true,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "MasterRecordId",
      "label": "Master Record ID",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
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        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    }
  },
  {
    {
      "description": "Account Name",
      "destinationProperties": {
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        "isNullable": false,
        "isUpdatable": true,
        "isUpsertable": true,

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        "supportedWriteOperations": []
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    "label": "Account Name",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
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        "v1": {
            "fieldType": "string",
            "filterOperators": [
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                "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": {
            "fieldType": "reference",
            "filterOperators": [
                "EQUAL_TO"
            ],

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        "supportedValues": []
    }
},
{
    "description": "Billing Street",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "BillingStreet",
    "label": "Billing Street",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "textarea",
            "filterOperators": [
                "EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Billing City",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "BillingCity",
    "label": "Billing City",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Billing State/Province",
    "destinationProperties": {
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        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "BillingState",

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"label": "Billing State/Province",
"sourceProperties": {
  "isQueryable": true,
  "isRetrievable": true
},
"supportedFieldTypeDetails": {
  "v1": {
    "fieldType": "string",
    "filterOperators": [
      "CONTAINS",
      "EQUAL_TO",
      "NOT_EQUAL_TO"
    ],
    "supportedValues": []
  }
},
{
  "description": "Billing Zip/Postal Code",
  "destinationProperties": {
    "isCreatable": true,
    "isNullable": true,
    "isUpdatable": true,
    "isUpsertable": true,
    "supportedWriteOperations": []
  },
  "identifier": "BillingPostalCode",
  "label": "Billing Zip/Postal Code",
  "sourceProperties": {
    "isQueryable": true,
    "isRetrievable": true
  },
  "supportedFieldTypeDetails": {
    "v1": {
      "fieldType": "string",
      "filterOperators": [
        "CONTAINS",
        "EQUAL_TO",
        "NOT_EQUAL_TO"
      ],
      "supportedValues": []
    }
  }
},
{
  "description": "Billing Country",
  "destinationProperties": {
    "isCreatable": true,
    "isNullable": true,
    "isUpdatable": true,
    "isUpsertable": true,
    "supportedWriteOperations": []
  },
  "identifier": "BillingCountry",
  "label": "Billing Country",
  "sourceProperties": {
    "isQueryable": true,
    "isRetrievable": true
  },
  "supportedFieldTypeDetails": {
    "v1": {
      "fieldType": "string",
      "filterOperators": [
        "CONTAINS",
        "EQUAL_TO",
        "NOT_EQUAL_TO"
      ],
      "supportedValues": []
    }
  }
}

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    ],
    "supportedValues": []
  }
},
{
  "description": "Billing Latitude",
  "destinationProperties": {
    "isCreatable": true,
    "isNullable": true,
    "isUpdatable": true,
    "isUpsertable": true,
    "supportedWriteOperations": []
  },
  "identifier": "BillingLatitude",
  "label": "Billing Latitude",
  "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": "Billing Longitude",
  "destinationProperties": {
    "isCreatable": true,
    "isNullable": true,
    "isUpdatable": true,
    "isUpsertable": true,
    "supportedWriteOperations": []
  },
  "identifier": "BillingLongitude",
  "label": "Billing Longitude",
  "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": []
    }
  }
},
{

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    "description": "Billing Geocode Accuracy",
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      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "BillingGeocodeAccuracy",
    "label": "Billing Geocode Accuracy",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "picklist",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Billing Address",
    "destinationProperties": {
      "isCreatable": false,
      "isNullable": true,
      "isUpdatable": false,
      "isUpsertable": false,
      "supportedWriteOperations": []
    },
    "identifier": "BillingAddress",
    "label": "Billing Address",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "address",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Shipping Street",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "ShippingStreet",
    "label": "Shipping Street",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {

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        "fieldType": "textarea",
        "filterOperators": [
            "EQUAL_TO"
        ],
        "supportedValues": []
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},
{
    "description": "Shipping City",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "ShippingCity",
    "label": "Shipping City",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Shipping State/Province",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "ShippingState",
    "label": "Shipping State/Province",
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        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Shipping Zip/Postal Code",
    "destinationProperties": {
        "isCreatable": true,

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        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
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    "label": "Shipping Zip/Postal Code",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Shipping Country",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "ShippingCountry",
    "label": "Shipping Country",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Shipping Latitude",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "ShippingLatitude",
    "label": "Shipping Latitude",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
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        "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": "Shipping Longitude",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "ShippingLongitude",
      "label": "Shipping Longitude",
      "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": "Shipping Geocode Accuracy",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
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      "identifier": "ShippingGeocodeAccuracy",
      "label": "Shipping Geocode Accuracy",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    }
  ]
}

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    }
  },
  {
    "description": "Shipping Address",
    "destinationProperties": {
      "isCreatable": false,
      "isNullable": true,
      "isUpdatable": false,
      "isUpsertable": false,
      "supportedWriteOperations": []
    },
    "identifier": "ShippingAddress",
    "label": "Shipping Address",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "address",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Account Phone",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Phone",
    "label": "Account Phone",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "phone",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Account Fax",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Fax",
    "label": "Account Fax",
    "sourceProperties": {
      "isQueryable": true,

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        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "phone",
            "filterOperators": [
                "EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Account Number",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "AccountNumber",
    "label": "Account Number",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "string",
            "filterOperators": [
                "CONTAINS",
                "EQUAL_TO",
                "NOT_EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Website",
    "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "Website",
    "label": "Website",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "url",
            "filterOperators": [
                "EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Photo URL",

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    "destinationProperties": {
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      "isNullable": true,
      "isUpdatable": false,
      "isUpsertable": false,
      "supportedWriteOperations": []
    },
    "identifier": "PhotoUrl",
    "label": "Photo URL",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "url",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "SIC Code",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Sic",
    "label": "SIC Code",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "string",
        "filterOperators": [
          "CONTAINS",
          "EQUAL_TO",
          "NOT_EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Industry",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Industry",
    "label": "Industry",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {

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        "v1": {
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          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      },
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      "description": "Annual Revenue",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "AnnualRevenue",
      "label": "Annual Revenue",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "currency",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Employees",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "NumberOfEmployees",
      "label": "Employees",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "int",
          "filterOperators": [
            "NOT_EQUAL_TO",
            "EQUAL_TO",
            "LESS_THAN",
            "LESS_THAN_OR_EQUAL_TO",
            "GREATER_THAN",
            "GREATER_THAN_OR_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Ownership",

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```

    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Ownership",
    "label": "Ownership",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "picklist",
        "filterOperators": [
          "EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Ticker Symbol",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "TickerSymbol",
    "label": "Ticker Symbol",
    "sourceProperties": {
      "isQueryable": true,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
      "v1": {
        "fieldType": "string",
        "filterOperators": [
          "CONTAINS",
          "EQUAL_TO",
          "NOT_EQUAL_TO"
        ],
        "supportedValues": []
      }
    }
  },
  {
    "description": "Account Description",
    "destinationProperties": {
      "isCreatable": true,
      "isNullable": true,
      "isUpdatable": true,
      "isUpsertable": true,
      "supportedWriteOperations": []
    },
    "identifier": "Description",
    "label": "Account Description",
    "sourceProperties": {
      "isQueryable": false,
      "isRetrievable": true
    },
    "supportedFieldTypeDetails": {

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        "v1": {
          "fieldType": "textarea",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      },
    {
      "description": "Account Rating",
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        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Rating",
      "label": "Account Rating",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "picklist",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Account Site",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": true,
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
      },
      "identifier": "Site",
      "label": "Account Site",
      "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
      },
      "supportedFieldTypeDetails": {
        "v1": {
          "fieldType": "string",
          "filterOperators": [
            "CONTAINS",
            "EQUAL_TO",
            "NOT_EQUAL_TO"
          ],
          "supportedValues": []
        }
      }
    },
    {
      "description": "Owner ID",
      "destinationProperties": {
        "isCreatable": true,
        "isNullable": false,

```

```
        "isUpdatable": true,
        "isUpsertable": true,
        "supportedWriteOperations": []
    },
    "identifier": "OwnerId",
    "label": "Owner ID",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
        "v1": {
            "fieldType": "reference",
            "filterOperators": [
                "EQUAL_TO"
            ],
            "supportedValues": []
        }
    }
},
{
    "description": "Created Date",
    "destinationProperties": {
        "isCreatable": false,
        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
    },
    "identifier": "CreatedDate",
    "label": "Created 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": "Created By ID",
    "destinationProperties": {
        "isCreatable": false,
        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
    },
    "identifier": "CreatedById",
    "label": "Created By ID",
    "sourceProperties": {
        "isQueryable": true,
        "isRetrievable": true
    },
    "supportedFieldTypeDetails": {
```

```

        "v1": {
          "fieldType": "reference",
          "filterOperators": [
            "EQUAL_TO"
          ],
          "supportedValues": []
        }
      },
    {
      "description": "Last Modified Date",
      "destinationProperties": {
        "isCreatable": false,
        "isNullable": false,
        "isUpdatable": false,
        "isUpsertable": false,
        "supportedWriteOperations": []
      },
      "identifier": "LastModifiedDate",
      "label": "Last Modified 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 Modified By ID",
      "destinationProperties": {
        "isCreatable": false,
        "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": {
      "isCreatable": false,
      "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": []
    },
    "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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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

{
  "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.

connectorProfileNames (p. 62)

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 (p. 62)

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles

Required: No

maxResults (p. 62)

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 (p. 62)

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",
      "connectorProfileArn": "string",
      "connectorProfileName": "string",
      "connectorProfileProperties": {
        "Amplitude": {
        },
        "Datadog": {
          "instanceUrl": "string"
        },
        "Dynatrace": {
          "instanceUrl": "string"
        },
        "GoogleAnalytics": {
        },
        "Honeycode": {
        },
        "InforNexus": {
          "instanceUrl": "string"
        },
        "Marketo": {
          "instanceUrl": "string"
        },
        "Redshift": {
          "bucketName": "string",
          "bucketPrefix": "string",
          "databaseUrl": "string",
          "roleArn": "string"
        },
        "Salesforce": {
          "instanceUrl": "string",
          "isSandboxEnvironment": boolean
        },
        "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
},
"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 (p. 63)

Returns information about the connector profiles associated with the flow.

Type: Array of [ConnectorProfile](#) (p. 145) objects

nextToken (p. 63)

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](#) (p. 267).

InternalServerErrorException

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>:connector-profile/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>:connector-profile/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
}
```

See Also

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

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

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 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" ],
  "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` (p. 67)

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics |
Upsolver | Honeycode | CustomerProfiles

Required: No

`nextToken` (p. 67)

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" : {
    "canUseAsDestination": boolean,
    "canUseAsSource": boolean,
    "connectorMetadata": {
      "Amplitude": {
      },
      "CustomerProfiles": {
      },
      "Datadog": {
      },
      "Dynatrace": {
      },
      "EventBridge": {
      },
      "GoogleAnalytics": {
        "oAuthScopes": [ "string" ]
      },
      "Honeycode": {
        "oAuthScopes": [ "string" ]
      },
      "InforNexus": {
      },
      "Marketo": {
      },
      "Redshift": {
      },
      "S3": {
      },
      "Salesforce": {
        "oAuthScopes": [ "string" ]
      },
      "ServiceNow": {
      },
      "Singular": {
      },
      "Slack": {
        "oAuthScopes": [ "string" ]
      },
      "Snowflake": {
        "supportedRegions": [ "string" ]
      },
      "Trendmicro": {
      },
      "Upsolver": {
      },
      "Veeva": {
      },
      "Zendesk": {
        "oAuthScopes": [ "string" ]
      }
    },
    "isPrivateLinkEnabled": boolean,
    "isPrivateLinkEndpointUrlRequired": boolean,
    "supportedDestinationConnectors": [ "string" ],
    "supportedSchedulingFrequencies": [ "string" ],
    "supportedTriggerTypes": [ "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 (p. 67)

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

Type: String to [ConnectorConfiguration](#) (p. 132) object map

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

nextToken (p. 67)

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](#) (p. 267).

InternalServerErrorException

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",
    "subject_api_path": "subjects"
  },
  "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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 73)

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": [
    {
      "connectorProfileName": "string",
      "connectorType": "string",
      "destinationConnectorProperties": {
        "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": {
  },
  "Redshift": {
    "bucketPrefix": "string",
    "errorHandlingConfig": {
      "bucketName": "string",
      "bucketPrefix": "string",
      "failOnFirstDestinationError": boolean
    },
    "intermediateBucketName": "string",
    "object": "string"
  },
  "S3": {
    "bucketName": "string",
    "bucketPrefix": "string",
    "s3OutputFormatConfig": {
      "aggregationConfig": {
        "aggregationType": "string"
      },
      "fileType": "string",
      "prefixConfig": {
        "prefixFormat": "string",
        "prefixType": "string"
      }
    }
  },
  "Salesforce": {
    "errorHandlingConfig": {
      "bucketName": "string",
      "bucketPrefix": "string",
      "failOnFirstDestinationError": boolean
    },
    "idFieldNames": [ "string" ],
    "object": "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"
      },
      "fileType": "string",
      "prefixConfig": {
```

```

        "prefixFormat": "string",
        "prefixType": "string"
    }
}
}
}
},
"flowArn": "string",
"flowName": "string",
"flowStatus": "string",
"flowStatusMessage": "string",
"kmsArn": "string",
"lastRunExecutionDetails": {
    "mostRecentExecutionMessage": "string",
    "mostRecentExecutionStatus": "string",
    "mostRecentExecutionTime": number
},
"lastUpdatedAt": number,
"lastUpdatedBy": "string",
"sourceFlowConfig": {
    "connectorProfileName": "string",
    "connectorType": "string",
    "incrementalPullConfig": {
        "datetimeTypeFieldName": "string"
    },
    "sourceConnectorProperties": {
        "Amplitude": {
            "object": "string"
        },
        "Datadog": {
            "object": "string"
        },
        "Dynatrace": {
            "object": "string"
        },
        "GoogleAnalytics": {
            "object": "string"
        },
        "InforNexus": {
            "object": "string"
        },
        "Marketo": {
            "object": "string"
        },
        "S3": {
            "bucketName": "string",
            "bucketPrefix": "string"
        },
        "Salesforce": {
            "enableDynamicFieldUpdate": boolean,
            "includeDeletedRecords": boolean,
            "object": "string"
        },
        "ServiceNow": {
            "object": "string"
        },
        "Singular": {
            "object": "string"
        },
        "Slack": {
            "object": "string"
        },
        "Trendmicro": {
            "object": "string"
        },
    },

```

```

        "Veeva": {
            "object": "string"
        },
        "Zendesk": {
            "object": "string"
        }
    },
    "tags": {
        "string" : "string"
    },
    "tasks": [
        {
            "connectorOperator": {
                "Amplitude": "string",
                "Datadog": "string",
                "Dynatrace": "string",
                "GoogleAnalytics": "string",
                "InforNexus": "string",
                "Marketo": "string",
                "S3": "string",
                "Salesforce": "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,
                "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 (p. 73)

Specifies when the flow was created.

Type: Timestamp

createdBy (p. 73)

The ARN of the user who created the flow.

Type: String

Length Constraints: Maximum length of 256.

Pattern: \S+

description (p. 73)

A description of the flow.

Type: String

Length Constraints: Maximum length of 2048.

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

destinationFlowConfigList (p. 73)

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

Type: Array of [DestinationFlowConfig \(p. 163\)](#) objects

flowArn (p. 73)

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

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

flowName (p. 73)

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 (p. 73)

Indicates the current status of the flow.

Type: String

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

flowStatusMessage (p. 73)

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 (p. 73)

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 (p. 73)

Describes the details of the most recent flow run.

Type: [ExecutionDetails](#) (p. 172) object

lastUpdatedAt (p. 73)

Specifies when the flow was last updated.

Type: Timestamp

lastUpdatedBy (p. 73)

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

Type: String

Length Constraints: Maximum length of 256.

Pattern: `\S+`

sourceFlowConfig (p. 73)

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

Type: [SourceFlowConfig](#) (p. 243) object

tags (p. 73)

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 (p. 73)

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

Type: Array of [Task](#) (p. 245) objects

triggerConfig (p. 73)

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

Type: [TriggerConfig](#) (p. 251) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 267\)](#).

InternalServerErrorException

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 of the flow in double quotes>
}
```

Sample Response

```
{
  "createdAt": created_at_value,
  "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": last_updated_at_value,
  "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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 82)

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 (p. 82)

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 (p. 82)

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
        },
        "recordsProcessed": number
      },
      "executionStatus": "string",
      "lastUpdatedAt": number,
      "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 (p. 83)

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

Type: Array of [ExecutionRecord](#) (p. 173) objects

nextToken (p. 83)

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](#) (p. 267).

InternalServerErrorException

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": "test-new-create", // flow created using CreateFlow API
  "maxResults": 1 // Any number between 1 and 100.
}
```

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": execution_start_time_value,
      "executionStatus": "Error",
      "lastUpdatedAt": lastupdated_at_value,
      "lastUpdatedTime": lastupdated_time_value,
      "startedAt": started_at_value
    }
  ]
}
```

```
],
  "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": "test-new-create",
  "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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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

{
  "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.

connectorProfileName (p. 87)

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 (p. 87)

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` | `Informexus` | `Amplitude` | `Veeva` | `EventBridge` | `LookoutMetrics` | `Upsolver` | `Honeycode` | `CustomerProfiles`

Required: No

entitiesPath (p. 87)

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

Response Syntax

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

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

Response Elements

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

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

connectorEntityMap (p. 88)

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](#) (p. 134) objects map

Key Length Constraints: Maximum length of 128.

Key Pattern: `\S+`

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 267).

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 93)

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 (p. 93)

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",
    "destinationConnectorType": "string",
    "flowArn": "string",
    "flowName": "string",
    "flowStatus": "string",
    "lastRunExecutionDetails": {
      "mostRecentExecutionMessage": "string",
      "mostRecentExecutionStatus": "string",
      "mostRecentExecutionTime": number
    },
    "lastUpdatedAt": number,
    "lastUpdatedBy": "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 (p. 93)

The list of flows associated with your account.

Type: Array of [FlowDefinition](#) (p. 177) objects

nextToken (p. 93)

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](#) (p. 267).

InternalServerErrorException

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",
      "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",
      "tags": {
        "internalId": "<InternalId>",
        "resourceArn": "arn:aws:appflow:region:<AccountId>:flow/test-flow-1"
      },
      "triggerType": "OnDemand"
    }
  ],
  "nextToken": "next_token_value"
}
```

```
{
  "maxResults": 1 //(Some number between 1 to 100)
}
```

See Also

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

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

ListTagsForResource

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 (p. 97)

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 (p. 97)

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 \(p. 267\)](#).

InternalServerErrorException

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

{
  "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 (p. 99)

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 (p. 99)

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 (p. 99)

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

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

flowStatus (p. 99)

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](#) (p. 267).

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

InternalServerErrorException

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 of the flow in double quotes>
}
```

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 102)

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 (p. 102)

The flow's Amazon Resource Name (ARN).

Type: String

Length Constraints: Maximum length of 512.

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

flowStatus (p. 102)

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](#) (p. 267).

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

InternalServerErrorException

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 of the flow in double quotes>
}
```

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 105)

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 (p. 105)

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 \(p. 267\)](#).

InternalServerErrorException

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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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 (p. 107)

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 (p. 107)

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 \(p. 267\)](#).

InternalServerErrorException

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

```
{
  "connectionMode": "string",
  "connectorProfileConfig": {
    "connectorProfileCredentials": {
      "Amplitude": {
        "apiKey": "string",
        "secretKey": "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"
        }
      },
      "Redshift": {
        "password": "string",
        "username": "string"
      },
      "Salesforce": {
        "accessToken": "string",
```



```

        "clientCredentialsArn": "string",
        "oAuthRequest": {
            "authCode": "string",
            "redirectUri": "string"
        },
        "refreshToken": "string"
    },
    "ServiceNow": {
        "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": {
    },
    "Datadog": {
        "instanceUrl": "string"
    },
    "Dynatrace": {
        "instanceUrl": "string"
    },
    "GoogleAnalytics": {
    },
    "Honeycode": {
    },
    "InforNexus": {
        "instanceUrl": "string"
    },
    "Marketo": {
        "instanceUrl": "string"
    },
    "Redshift": {
        "bucketName": "string",
        "bucketPrefix": "string",

```

```
    "databaseUrl": "string",
    "roleArn": "string"
  },
  "Salesforce": {
    "instanceUrl": "string",
    "isSandboxEnvironment": boolean
  },
  "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.

connectionMode (p. 109)

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

Type: String

Valid Values: Public | Private

Required: Yes

connectorProfileConfig (p. 109)

Defines the connector-specific profile configuration and credentials.

Type: [ConnectorProfileConfig](#) (p. 147) object

Required: Yes

connectorProfileName (p. 109)

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 (p. 112)

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

Type: String

Length Constraints: Maximum length of 512.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 267).

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

InternalServerErrorException

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>:connector-profile/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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [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

{
  "description": "string",
  "destinationFlowConfigList": [
    {
      "connectorProfileName": "string",
      "connectorType": "string",
      "destinationConnectorProperties": {
        "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": {
        },
        "Redshift": {
          "bucketPrefix": "string",
          "errorHandlingConfig": {
            "bucketName": "string",
            "bucketPrefix": "string",
            "failOnFirstDestinationError": boolean
          },
          "intermediateBucketName": "string",
          "object": "string"
        },
        "S3": {
          "bucketName": "string",
          "bucketPrefix": "string",
          "s3OutputFormatConfig": {
            "aggregationConfig": {
              "aggregationType": "string"
            },
            "fileType": "string",
            "prefixConfig": {
              "prefixFormat": "string",
              "prefixType": "string"
            }
          }
        }
      }
    }
  ],
}
```

```

    "Salesforce": {
      "errorHandlingConfig": {
        "bucketName": "string",
        "bucketPrefix": "string",
        "failOnFirstDestinationError": boolean
      },
      "idFieldNames": [ "string" ],
      "object": "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"
        },
        "fileType": "string",
        "prefixConfig": {
          "prefixFormat": "string",
          "prefixType": "string"
        }
      }
    }
  }
},
"flowName": "string",
"sourceFlowConfig": {
  "connectorProfileName": "string",
  "connectorType": "string",
  "incrementalPullConfig": {
    "datetimeTypeFieldName": "string"
  },
  "sourceConnectorProperties": {
    "Amplitude": {
      "object": "string"
    },
    "Datadog": {
      "object": "string"
    },
    "Dynatrace": {
      "object": "string"
    },
    "GoogleAnalytics": {
      "object": "string"
    },
    "InforNexus": {
      "object": "string"
    },
    "Marketo": {
      "object": "string"
    },
    "S3": {
      "bucketName": "string",
      "bucketPrefix": "string"
    }
  }
}

```

```

    },
    "Salesforce": {
        "enableDynamicFieldUpdate": boolean,
        "includeDeletedRecords": boolean,
        "object": "string"
    },
    "ServiceNow": {
        "object": "string"
    },
    "Singular": {
        "object": "string"
    },
    "Slack": {
        "object": "string"
    },
    "Trendmicro": {
        "object": "string"
    },
    "Veeva": {
        "object": "string"
    },
    "Zendesk": {
        "object": "string"
    }
}
},
"tasks": [
    {
        "connectorOperator": {
            "Amplitude": "string",
            "Datadog": "string",
            "Dynatrace": "string",
            "GoogleAnalytics": "string",
            "InforNexus": "string",
            "Marketo": "string",
            "S3": "string",
            "Salesforce": "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,
            "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.

description (p. 115)

A description of the flow.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: [\w!@#\\$%&'*~.-,;:_+=\|{}~\s]*

Required: No

destinationFlowConfigList (p. 115)

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

Type: Array of [DestinationFlowConfig](#) (p. 163) objects

Required: Yes

flowName (p. 115)

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

sourceFlowConfig (p. 115)

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

Type: [SourceFlowConfig](#) (p. 243) object

Required: No

tasks (p. 115)

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

Type: Array of [Task](#) (p. 245) objects

Required: Yes

triggerConfig (p. 115)

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

Type: [TriggerConfig](#) (p. 251) 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 (p. 119)

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 \(p. 267\)](#).

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

InternalServerError

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", // flow that you created as part of createFlow above
  "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](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The 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](#) (p. 127)
- [AmplitudeConnectorProfileCredentials](#) (p. 128)
- [AmplitudeConnectorProfileProperties](#) (p. 129)
- [AmplitudeMetadata](#) (p. 130)
- [AmplitudeSourceProperties](#) (p. 131)
- [ConnectorConfiguration](#) (p. 132)
- [ConnectorEntity](#) (p. 134)
- [ConnectorEntityField](#) (p. 135)
- [ConnectorMetadata](#) (p. 137)
- [ConnectorOAuthRequest](#) (p. 140)
- [ConnectorOperator](#) (p. 141)
- [ConnectorProfile](#) (p. 145)
- [ConnectorProfileConfig](#) (p. 147)
- [ConnectorProfileCredentials](#) (p. 148)
- [ConnectorProfileProperties](#) (p. 151)
- [CustomerProfilesDestinationProperties](#) (p. 154)
- [CustomerProfilesMetadata](#) (p. 155)
- [DatadogConnectorProfileCredentials](#) (p. 156)
- [DatadogConnectorProfileProperties](#) (p. 157)
- [DatadogMetadata](#) (p. 158)
- [DatadogSourceProperties](#) (p. 159)
- [DestinationConnectorProperties](#) (p. 160)
- [DestinationFieldProperties](#) (p. 162)
- [DestinationFlowConfig](#) (p. 163)
- [DynatraceConnectorProfileCredentials](#) (p. 164)
- [DynatraceConnectorProfileProperties](#) (p. 165)
- [DynatraceMetadata](#) (p. 166)
- [DynatraceSourceProperties](#) (p. 167)
- [ErrorHandlingConfig](#) (p. 168)
- [ErrorInfo](#) (p. 169)
- [EventBridgeDestinationProperties](#) (p. 170)
- [EventBridgeMetadata](#) (p. 171)
- [ExecutionDetails](#) (p. 172)
- [ExecutionRecord](#) (p. 173)
- [ExecutionResult](#) (p. 175)

- [FieldTypeDetails](#) (p. 176)
- [FlowDefinition](#) (p. 177)
- [GoogleAnalyticsConnectorProfileCredentials](#) (p. 180)
- [GoogleAnalyticsConnectorProfileProperties](#) (p. 182)
- [GoogleAnalyticsMetadata](#) (p. 183)
- [GoogleAnalyticsSourceProperties](#) (p. 184)
- [HoneycodeConnectorProfileCredentials](#) (p. 185)
- [HoneycodeConnectorProfileProperties](#) (p. 186)
- [HoneycodeDestinationProperties](#) (p. 187)
- [HoneycodeMetadata](#) (p. 188)
- [IncrementalPullConfig](#) (p. 189)
- [InforNexusConnectorProfileCredentials](#) (p. 190)
- [InforNexusConnectorProfileProperties](#) (p. 192)
- [InforNexusMetadata](#) (p. 193)
- [InforNexusSourceProperties](#) (p. 194)
- [LookoutMetricsDestinationProperties](#) (p. 195)
- [MarketoConnectorProfileCredentials](#) (p. 196)
- [MarketoConnectorProfileProperties](#) (p. 198)
- [MarketoMetadata](#) (p. 199)
- [MarketoSourceProperties](#) (p. 200)
- [PrefixConfig](#) (p. 201)
- [RedshiftConnectorProfileCredentials](#) (p. 202)
- [RedshiftConnectorProfileProperties](#) (p. 203)
- [RedshiftDestinationProperties](#) (p. 205)
- [RedshiftMetadata](#) (p. 207)
- [S3DestinationProperties](#) (p. 208)
- [S3Metadata](#) (p. 209)
- [S3OutputFormatConfig](#) (p. 210)
- [S3SourceProperties](#) (p. 211)
- [SalesforceConnectorProfileCredentials](#) (p. 212)
- [SalesforceConnectorProfileProperties](#) (p. 214)
- [SalesforceDestinationProperties](#) (p. 215)
- [SalesforceMetadata](#) (p. 217)
- [SalesforceSourceProperties](#) (p. 218)
- [ScheduledTriggerProperties](#) (p. 219)
- [ServiceNowConnectorProfileCredentials](#) (p. 221)
- [ServiceNowConnectorProfileProperties](#) (p. 222)
- [ServiceNowMetadata](#) (p. 223)
- [ServiceNowSourceProperties](#) (p. 224)
- [SingularConnectorProfileCredentials](#) (p. 225)
- [SingularConnectorProfileProperties](#) (p. 226)
- [SingularMetadata](#) (p. 227)
- [SingularSourceProperties](#) (p. 228)
- [SlackConnectorProfileCredentials](#) (p. 229)
- [SlackConnectorProfileProperties](#) (p. 231)
- [SlackMetadata](#) (p. 232)

- [SlackSourceProperties](#) (p. 233)
- [SnowflakeConnectorProfileCredentials](#) (p. 234)
- [SnowflakeConnectorProfileProperties](#) (p. 235)
- [SnowflakeDestinationProperties](#) (p. 237)
- [SnowflakeMetadata](#) (p. 239)
- [SourceConnectorProperties](#) (p. 240)
- [SourceFieldProperties](#) (p. 242)
- [SourceFlowConfig](#) (p. 243)
- [SupportedFieldTypeDetails](#) (p. 244)
- [Task](#) (p. 245)
- [TrendmicroConnectorProfileCredentials](#) (p. 247)
- [TrendmicroConnectorProfileProperties](#) (p. 248)
- [TrendmicroMetadata](#) (p. 249)
- [TrendmicroSourceProperties](#) (p. 250)
- [TriggerConfig](#) (p. 251)
- [TriggerProperties](#) (p. 252)
- [UpsolverDestinationProperties](#) (p. 253)
- [UpsolverMetadata](#) (p. 254)
- [UpsolverS3OutputFormatConfig](#) (p. 255)
- [VeevaConnectorProfileCredentials](#) (p. 256)
- [VeevaConnectorProfileProperties](#) (p. 257)
- [VeevaMetadata](#) (p. 258)
- [VeevaSourceProperties](#) (p. 259)
- [ZendeskConnectorProfileCredentials](#) (p. 260)
- [ZendeskConnectorProfileProperties](#) (p. 262)
- [ZendeskMetadata](#) (p. 263)
- [ZendeskSourceProperties](#) (p. 264)

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

See Also

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

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

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

AmplitudeMetadata

The connector metadata specific to Amplitude.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectorConfiguration

The configuration settings related to a given connector.

Contents

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

connectorMetadata

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

Type: [ConnectorMetadata](#) (p. 137) object

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

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` | `Informexus` | `Amplitude` | `Veeva` | `EventBridge` | `LookoutMetrics` | `Upsolver` | `Honeycode` | `CustomerProfiles`

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

See Also

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

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

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

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

name

The name of the connector entity.

Type: String

Length Constraints: Maximum length of 128.

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 Go](#)
- [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

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](#) (p. 162) object

Required: No

identifier

The unique identifier of the connector field.

Type: String

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: Yes

label

The label applied to a connector entity field.

Type: String

Length Constraints: Maximum length of 128.

Pattern: .*

Required: No

sourceProperties

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

Type: [SourceFieldProperties](#) (p. 242) object

Required: No

supportedFieldTypeDetails

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

Type: [SupportedFieldTypeDetails](#) (p. 244) object

Required: No

See Also

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

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

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](#) (p. 130) object

Required: No

CustomerProfiles

The connector metadata specific to Amazon Connect Customer Profiles.

Type: [CustomerProfilesMetadata](#) (p. 155) object

Required: No

Datadog

The connector metadata specific to Datadog.

Type: [DatadogMetadata](#) (p. 158) object

Required: No

Dynatrace

The connector metadata specific to Dynatrace.

Type: [DynatraceMetadata](#) (p. 166) object

Required: No

EventBridge

The connector metadata specific to Amazon EventBridge.

Type: [EventBridgeMetadata](#) (p. 171) object

Required: No

GoogleAnalytics

The connector metadata specific to Google Analytics.

Type: [GoogleAnalyticsMetadata](#) (p. 183) object

Required: No

Honeycode

The connector metadata specific to Amazon Honeycode.

Type: [HoneycodeMetadata](#) (p. 188) object

Required: No

InforNexus

The connector metadata specific to Infor Nexus.

Type: [InforNexusMetadata](#) (p. 193) object

Required: No

Marketo

The connector metadata specific to Marketo.

Type: [MarketoMetadata](#) (p. 199) object

Required: No

Redshift

The connector metadata specific to Amazon Redshift.

Type: [RedshiftMetadata](#) (p. 207) object

Required: No

S3

The connector metadata specific to Amazon S3.

Type: [S3Metadata](#) (p. 209) object

Required: No

Salesforce

The connector metadata specific to Salesforce.

Type: [SalesforceMetadata](#) (p. 217) object

Required: No

ServiceNow

The connector metadata specific to ServiceNow.

Type: [ServiceNowMetadata](#) (p. 223) object

Required: No

Singular

The connector metadata specific to Singular.

Type: [SingularMetadata](#) (p. 227) object

Required: No

Slack

The connector metadata specific to Slack.

Type: [SlackMetadata](#) (p. 232) object

Required: No

Snowflake

The connector metadata specific to Snowflake.

Type: [SnowflakeMetadata](#) (p. 239) object

Required: No

Trendmicro

The connector metadata specific to Trend Micro.

Type: [TrendmicroMetadata](#) (p. 249) object

Required: No

Upsolver

The connector metadata specific to Upsolver.

Type: [UpsolverMetadata](#) (p. 254) object

Required: No

Veeva

The connector metadata specific to Veeva.

Type: [VeevaMetadata](#) (p. 258) object

Required: No

Zendesk

The connector metadata specific to Zendesk.

Type: [ZendeskMetadata](#) (p. 263) object

Required: No

See Also

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

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

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 512.

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 Go](#)
- [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

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

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

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 Go](#)
- [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

connectorProfileArn

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

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:kms:.*:[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](#) (p. 151) 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` | `Informexus` | `Amplitude` | `Veeva` | `EventBridge` | `LookoutMetrics` | `Upsolver` | `Honeycode` | `CustomerProfiles`

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

See Also

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

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

ConnectorProfileConfig

Defines the connector-specific configuration and credentials for the connector profile.

Contents

connectorProfileCredentials

The connector-specific credentials required by each connector.

Type: [ConnectorProfileCredentials](#) (p. 148) object

Required: Yes

connectorProfileProperties

The connector-specific properties of the profile configuration.

Type: [ConnectorProfileProperties](#) (p. 151) object

Required: Yes

See Also

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

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

ConnectorProfileCredentials

The connector-specific credentials required by a connector.

Contents

Amplitude

The connector-specific credentials required when using Amplitude.

Type: [AmplitudeConnectorProfileCredentials](#) (p. 128) object

Required: No

Datadog

The connector-specific credentials required when using Datadog.

Type: [DatadogConnectorProfileCredentials](#) (p. 156) object

Required: No

Dynatrace

The connector-specific credentials required when using Dynatrace.

Type: [DynatraceConnectorProfileCredentials](#) (p. 164) object

Required: No

GoogleAnalytics

The connector-specific credentials required when using Google Analytics.

Type: [GoogleAnalyticsConnectorProfileCredentials](#) (p. 180) object

Required: No

Honeycode

The connector-specific credentials required when using Amazon Honeycode.

Type: [HoneycodeConnectorProfileCredentials](#) (p. 185) object

Required: No

InforNexus

The connector-specific credentials required when using Infor Nexus.

Type: [InforNexusConnectorProfileCredentials](#) (p. 190) object

Required: No

Marketo

The connector-specific credentials required when using Marketo.

Type: [MarketoConnectorProfileCredentials](#) (p. 196) object

Required: No

Redshift

The connector-specific credentials required when using Amazon Redshift.

Type: [RedshiftConnectorProfileCredentials](#) (p. 202) object

Required: No

Salesforce

The connector-specific credentials required when using Salesforce.

Type: [SalesforceConnectorProfileCredentials](#) (p. 212) object

Required: No

ServiceNow

The connector-specific credentials required when using ServiceNow.

Type: [ServiceNowConnectorProfileCredentials](#) (p. 221) object

Required: No

Singular

The connector-specific credentials required when using Singular.

Type: [SingularConnectorProfileCredentials](#) (p. 225) object

Required: No

Slack

The connector-specific credentials required when using Slack.

Type: [SlackConnectorProfileCredentials](#) (p. 229) object

Required: No

Snowflake

The connector-specific credentials required when using Snowflake.

Type: [SnowflakeConnectorProfileCredentials](#) (p. 234) object

Required: No

Trendmicro

The connector-specific credentials required when using Trend Micro.

Type: [TrendmicroConnectorProfileCredentials](#) (p. 247) object

Required: No

Veeva

The connector-specific credentials required when using Veeva.

Type: [VeevaConnectorProfileCredentials](#) (p. 256) object

Required: No

Zendesk

The connector-specific credentials required when using Zendesk.

Type: [ZendeskConnectorProfileCredentials](#) (p. 260) object

Required: No

See Also

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

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

ConnectorProfileProperties

The connector-specific profile properties required by each connector.

Contents

Amplitude

The connector-specific properties required by Amplitude.

Type: [AmplitudeConnectorProfileProperties](#) (p. 129) object

Required: No

Datadog

The connector-specific properties required by Datadog.

Type: [DatadogConnectorProfileProperties](#) (p. 157) object

Required: No

Dynatrace

The connector-specific properties required by Dynatrace.

Type: [DynatraceConnectorProfileProperties](#) (p. 165) object

Required: No

GoogleAnalytics

The connector-specific properties required Google Analytics.

Type: [GoogleAnalyticsConnectorProfileProperties](#) (p. 182) object

Required: No

Honeycode

The connector-specific properties required by Amazon Honeycode.

Type: [HoneycodeConnectorProfileProperties](#) (p. 186) object

Required: No

InforNexus

The connector-specific properties required by Infor Nexus.

Type: [InforNexusConnectorProfileProperties](#) (p. 192) object

Required: No

Marketo

The connector-specific properties required by Marketo.

Type: [MarketoConnectorProfileProperties](#) (p. 198) object

Required: No

Redshift

The connector-specific properties required by Amazon Redshift.

Type: [RedshiftConnectorProfileProperties](#) (p. 203) object

Required: No

Salesforce

The connector-specific properties required by Salesforce.

Type: [SalesforceConnectorProfileProperties](#) (p. 214) object

Required: No

ServiceNow

The connector-specific properties required by serviceNow.

Type: [ServiceNowConnectorProfileProperties](#) (p. 222) object

Required: No

Singular

The connector-specific properties required by Singular.

Type: [SingularConnectorProfileProperties](#) (p. 226) object

Required: No

Slack

The connector-specific properties required by Slack.

Type: [SlackConnectorProfileProperties](#) (p. 231) object

Required: No

Snowflake

The connector-specific properties required by Snowflake.

Type: [SnowflakeConnectorProfileProperties](#) (p. 235) object

Required: No

Trendmicro

The connector-specific properties required by Trend Micro.

Type: [TrendmicroConnectorProfileProperties](#) (p. 248) object

Required: No

Veeva

The connector-specific properties required by Veeva.

Type: [VeevaConnectorProfileProperties](#) (p. 257) object

Required: No

Zendesk

The connector-specific properties required by Zendesk.

Type: [ZendeskConnectorProfileProperties](#) (p. 262) object

Required: No

See Also

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

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

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

DatadogMetadata

The connector metadata specific to Datadog.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DestinationConnectorProperties

This stores the information that is required to query a particular connector.

Contents

CustomerProfiles

The properties required to query Amazon Connect Customer Profiles.

Type: [CustomerProfilesDestinationProperties](#) (p. 154) object

Required: No

EventBridge

The properties required to query Amazon EventBridge.

Type: [EventBridgeDestinationProperties](#) (p. 170) object

Required: No

Honeycode

The properties required to query Amazon Honeycode.

Type: [HoneycodeDestinationProperties](#) (p. 187) object

Required: No

LookoutMetrics

The properties required to query Amazon Lookout for Metrics.

Type: [LookoutMetricsDestinationProperties](#) (p. 195) object

Required: No

Redshift

The properties required to query Amazon Redshift.

Type: [RedshiftDestinationProperties](#) (p. 205) object

Required: No

S3

The properties required to query Amazon S3.

Type: [S3DestinationProperties](#) (p. 208) object

Required: No

Salesforce

The properties required to query Salesforce.

Type: [SalesforceDestinationProperties](#) (p. 215) object

Required: No

Snowflake

The properties required to query Snowflake.

Type: [SnowflakeDestinationProperties](#) (p. 237) object

Required: No

Upsolver

The properties required to query Upsolver.

Type: [UpsolverDestinationProperties](#) (p. 253) object

Required: No

See Also

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

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

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

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`

Required: No

See Also

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

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

DestinationFlowConfig

Contains information about the configuration of destination connectors present in the flow.

Contents

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

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles

Required: Yes

destinationConnectorProperties

This stores the information that is required to query a particular connector.

Type: [DestinationConnectorProperties](#) (p. 160) object

Required: Yes

See Also

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

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

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

DynatraceMetadata

The connector metadata specific to Dynatrace.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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

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](#) (p. 168) object

Required: No

object

The object specified in the Amazon EventBridge flow destination.

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

EventBridgeMetadata

The connector metadata specific to Amazon EventBridge.

Contents

The members of this 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

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

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 Go
- 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](#) (p. 175) 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`

Required: No

lastUpdatedAt

Specifies the time of the most recent update.

Type: Timestamp

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 Go](#)
- [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](#) (p. 169) object

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 Go](#)
- [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

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

See Also

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

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

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

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles

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](#) (p. 172) 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

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` | `Informexus` | `Amplitude` | `Veeva` | `EventBridge` | `LookoutMetrics` | `Upsolver` | `Honeycode` | `CustomerProfiles`

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

GoogleAnalyticsConnectorProfileCredentials

The connector-specific profile credentials required by Google Analytics.

Contents

accessToken

The credentials used to access protected Google Analytics resources.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

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

oauthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

Type: [ConnectorOAuthRequest](#) (p. 140) 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 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 Go](#)
- [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 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 Go](#)
- [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: [\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 Go](#)
- [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 Go](#)
- [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 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](#) (p. 140) object

Required: No

refreshToken

The credentials used to acquire new access tokens.

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 Go](#)
- [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 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 Go](#)
- [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

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](#) (p. 168) object

Required: No

object

The object specified in the Amazon Honeycode flow destination.

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 Go](#)
- [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: [\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 Go](#)
- [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 Go](#)
- [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 Go](#)

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

InforNexusMetadata

The connector metadata specific to Infor Nexus.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [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 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MarketoConnectorProfileCredentials

The connector-specific profile credentials required by Marketo.

Contents

accessToken

The credentials used to access protected Marketo resources.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

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

oauthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

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

Required: No

See Also

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

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

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

MarketoMetadata

The connector metadata specific to Marketo.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrefixConfig

Determines the prefix that Amazon AppFlow applies to the destination folder name. You can name your destination folders according to the flow frequency and date.

Contents

prefixFormat

Determines the level of granularity that's included in the prefix.

Type: String

Valid Values: `YEAR` | `MONTH` | `DAY` | `HOURL` | `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 Go](#)
- [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: 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 Go](#)
- [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

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

databaseUrl

The JDBC URL of the Amazon Redshift cluster.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `\S+`

Required: Yes

roleArn

The Amazon Resource Name (ARN) of the IAM role.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `arn:aws:iam:.*:[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 Go](#)

- [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

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](#) (p. 168) object

Required: No

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

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

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

RedshiftMetadata

The connector metadata specific to Amazon Redshift.

Contents

The members of this 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 Go](#)
- [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](#) (p. 210) object

Required: No

See Also

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

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

S3Metadata

The connector metadata specific to Amazon S3.

Contents

The members of this 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 Go](#)
- [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](#) (p. 127) 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](#) (p. 201) object

Required: No

See Also

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

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

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

See Also

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

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

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 512.

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

The OAuth requirement needed to request security tokens from the connector endpoint.

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

Required: No

refreshToken

The credentials used to acquire new access tokens.

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 Go](#)
- [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

See Also

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

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

SalesforceDestinationProperties

The properties that are applied when Salesforce is being used as a destination.

Contents

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](#) (p. 168) 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. Maximum number of 1 item.

Length Constraints: Maximum length of 128.

Pattern: \S+

Required: No

object

The object specified in the Salesforce flow destination.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: Yes

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`

Required: No

See Also

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

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

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

SalesforceMetadata

The connector metadata specific to Salesforce.

Contents

oAuthScopes

The desired authorization scope for the Salesforce account.

Type: Array of strings

Length Constraints: Maximum length of 128.

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 Go](#)
- [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

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

object

The object specified in the Salesforce 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 Go](#)
- [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

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

scheduleEndTime

Specifies the scheduled end time for a schedule-triggered flow.

Type: Timestamp

Required: No

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

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

Specifies the scheduled start time for a schedule-triggered flow.

Type: Timestamp

Required: No

timezone

Specifies the time zone used when referring to the date and time of a scheduled-triggered flow, such as `America/New_York`.

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

ServiceNowConnectorProfileCredentials

The connector-specific profile credentials required when using ServiceNow.

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

ServiceNowMetadata

The connector metadata specific to ServiceNow.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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 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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SingularMetadata

The connector metadata specific to Singular.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SlackConnectorProfileCredentials

The connector-specific profile credentials required when using Slack.

Contents

accessToken

The credentials used to access protected Slack resources.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

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

oauthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

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

Required: No

See Also

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

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

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

SnowflakeConnectorProfileProperties

The connector-specific profile properties required when using Snowflake.

Contents

accountName

The name of the account.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

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

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: \S+

Required: No

region

The AWS Region of the Snowflake account.

Type: String

Length Constraints: Maximum length of 64.

Pattern: \S+

Required: No

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

See Also

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

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

SnowflakeDestinationProperties

The properties that are applied when Snowflake is being used as a destination.

Contents

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](#) (p. 168) object

Required: No

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

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)

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

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 Go](#)
- [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](#) (p. 131) object

Required: No

Datadog

Specifies the information that is required for querying Datadog.

Type: [DatadogSourceProperties](#) (p. 159) object

Required: No

Dynatrace

Specifies the information that is required for querying Dynatrace.

Type: [DynatraceSourceProperties](#) (p. 167) object

Required: No

GoogleAnalytics

Specifies the information that is required for querying Google Analytics.

Type: [GoogleAnalyticsSourceProperties](#) (p. 184) object

Required: No

InforNexus

Specifies the information that is required for querying Infor Nexus.

Type: [InforNexusSourceProperties](#) (p. 194) object

Required: No

Marketo

Specifies the information that is required for querying Marketo.

Type: [MarketoSourceProperties](#) (p. 200) object

Required: No

S3

Specifies the information that is required for querying Amazon S3.

Type: [S3SourceProperties](#) (p. 211) object

Required: No

Salesforce

Specifies the information that is required for querying Salesforce.

Type: [SalesforceSourceProperties](#) (p. 218) object

Required: No

ServiceNow

Specifies the information that is required for querying ServiceNow.

Type: [ServiceNowSourceProperties](#) (p. 224) object

Required: No

Singular

Specifies the information that is required for querying Singular.

Type: [SingularSourceProperties](#) (p. 228) object

Required: No

Slack

Specifies the information that is required for querying Slack.

Type: [SlackSourceProperties](#) (p. 233) object

Required: No

Trendmicro

Specifies the information that is required for querying Trend Micro.

Type: [TrendmicroSourceProperties](#) (p. 250) object

Required: No

Veeva

Specifies the information that is required for querying Veeva.

Type: [VeevaSourceProperties](#) (p. 259) object

Required: No

Zendesk

Specifies the information that is required for querying Zendesk.

Type: [ZendeskSourceProperties](#) (p. 264) object

Required: No

See Also

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

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

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

See Also

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

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

SourceFlowConfig

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

Contents

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

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 | Informexus | Amplitude | Veeva | EventBridge | LookoutMetrics | Upsolver | Honeycode | CustomerProfiles

Required: Yes

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](#) (p. 189) object

Required: No

sourceConnectorProperties

Specifies the information that is required to query a particular source connector.

Type: [SourceConnectorProperties](#) (p. 240) object

Required: Yes

See Also

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

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

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](#) (p. 176) object

Required: Yes

See Also

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

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

Task

A class for modeling different type of tasks. Task implementation varies based on the `TaskType`.

Contents

connectorOperator

The operation to be performed on the provided source fields.

Type: [ConnectorOperator](#) (p. 141) 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

sourceFields

The source fields to which a particular task is applied.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: . *

Required: Yes

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

Value Length Constraints: Maximum length of 2048.

Value Pattern: . +

Required: No

taskType

Specifies the particular task implementation that Amazon AppFlow performs.

Type: String

Valid Values: `Arithmetic` | `Filter` | `Map` | `Mask` | `Merge` | `Truncate` | `Validate`

Required: Yes

See Also

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

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

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

TrendmicroMetadata

The connector metadata specific to Trend Micro.

Contents

The members of this 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 Go](#)
- [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 Go](#)
- [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

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](#) (p. 252) object

Required: No

triggerType

Specifies the type of flow trigger. This can be `OnDemand`, `Scheduled`, or `Event`.

Type: String

Valid Values: `Scheduled` | `Event` | `OnDemand`

Required: Yes

See Also

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

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

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](#) (p. 219) object

Required: No

See Also

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

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

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

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

s3OutputFormatConfig

The configuration that determines how data is formatted when Upsolver is used as the flow destination.

Type: [UpsolverS3OutputFormatConfig](#) (p. 255) object

Required: Yes

See Also

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

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

UpsolverMetadata

The connector metadata specific to Upsolver.

Contents

The members of this 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 Go](#)
- [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

aggregationConfig

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

Type: [AggregationConfig](#) (p. 127) 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

prefixConfig

Determines the prefix that Amazon AppFlow applies to the destination folder name. You can name your destination folders according to the flow frequency and date.

Type: [PrefixConfig](#) (p. 201) object

Required: Yes

See Also

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

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

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

VeevaMetadata

The connector metadata specific to Veeva.

Contents

The members of this 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 Go](#)
- [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

See Also

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

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

ZendeskConnectorProfileCredentials

The connector-specific profile credentials required when using Zendesk.

Contents

accessToken

The credentials used to access protected Zendesk resources.

Type: String

Length Constraints: Maximum length of 512.

Pattern: \S+

Required: No

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

oauthRequest

The OAuth requirement needed to request security tokens from the connector endpoint.

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

Required: No

See Also

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

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

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: `access_key/YYYYMMDD/region/service/aws4_request`.

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

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

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400