



SAP Fieldglass 

Product Information | PUBLIC

SAP Fieldglass

2025-10-29

Replicating Master Data Using SAP Master Data Integration Service Configuration Guide

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1 Master Data Replication: Setup Instructions for SAP Fieldglass

Describes how to configure the SAP Fieldglass application to replicate master data outbound from SAP Fieldglass, and inbound to SAP S/4HANA and SAP SuccessFactors, using SAP Master Data Integration (MDI) service.

Context

Note

This graphic is interactive. You can hover over each element to see more information about that step, or click on an element to navigate to the topic with the information for that step.



- <https://help.sap.com/docs/btp/sap-business-technology-platform/getting-global-account?version=Cloud> [https://help.sap.com/docs/btp/sap-business-technology-platform/getting-global-account?version=Cloud]
- <https://help.sap.com/docs/btp/sap-business-technology-platform/entitlements-and-quotas> [https://help.sap.com/docs/btp/sap-business-technology-platform/entitlements-and-quotas]
- [https://help.sap.com/docs/btp/sap-business-technology-platform/managing-subaccounts-using-cockpit]
- <https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/creating-tenants?version=CLOUD#how-to-create-a-tenant> [https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/creating-tenants?version=CLOUD#how-to-create-a-tenant]
- https://help.sap.com/docs/SAP_MASTER_DATA_INTEGRATION/c7713d6177ad479d9ea00958db9f2f81/69ae614272654411a4c03acea8d488b3.html [https://help.sap.com/docs/SAP_MASTER_DATA_INTEGRATION/c7713d6177ad479d9ea00958db9f2f81/69ae614272654411a4c03acea8d488b3.html]
- <https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/configuring-businesssystemids-for-client-applications> [https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/configuring-businesssystemids-for-client-applications]
- <https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/configuring-writepermissions> [https://help.sap.com/docs/master-data-integration/sap-master-data-integration-prod/configuring-writepermissions]
- https://help.sap.com/docs/SAP_MASTER_DATA_INTEGRATION/8ce78b673ef04cc1bcfeb01c93ef7885/548ad301033d48b1adf68e609c3b7b8d.html [https://help.sap.com/docs/SAP_MASTER_DATA_INTEGRATION/8ce78b673ef04cc1bcfeb01c93ef7885/548ad301033d48b1adf68e609c3b7b8d.html]
- <https://help.sap.com/docs/master-data-integration/sap-master-data-orchestration-8ce78b673ef04cc1bcfeb01c93ef7885/maintenance-of-distribution-model-in-sap-master-data-orchestration?version=CLOUD> [https://help.sap.com/docs/master-data-integration/sap-master-data-orchestration-8ce78b673ef04cc1bcfeb01c93ef7885/maintenance-of-distribution-model-in-sap-master-data-orchestration?version=CLOUD]
- https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/8e25dca0b34f46cf87108880999fc36e.html [https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/8e25dca0b34f46cf87108880999fc36e.html]
- https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/6e39fc5329064264861caca66c3bcda0.html [https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/6e39fc5329064264861caca66c3bcda0.html]
- https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/ac3247b8104645639b0c1d523f2d9980.html [https://help.sap.com/docs/SAP_FIELDGLASS_INTEGRATION/73c0a1be6aaa46ef9b66b1c3f28a77f4/ac3247b8104645639b0c1d523f2d9980.html]
- [1 \[page 61\]](#)
- [2 \[page 62\]](#)
- [3 \[page 63\]](#)

Use this guide together with the [External Workforce Implementation Guide for Intelligent Enterprise](#), for information on how to implement additional integration components for the External Workforce Intelligent Enterprise Best Practice.

For detailed information on the SAP Master Data Integration service, go to the [SAP Master Data Integration](#) product page.

Procedure

Follow these steps to set up the integration between SAP Fieldglass and SAP Master Data Integration. The steps are the same for all types of master data. However, in some steps, you must enter master data-specific information to complete the step. For these steps the *Master Data-Specific Information Needed to Complete Step* column in the table below is highlighted. That master data-specific information is available in documents for the different types of master data that are listed in the Related Information section below.

❖ Example

If you want to replicate cost center master data, you need to check the chapter *Cost Center Replication* for the steps highlighted in the table. You can find the relevant link in the Related Information section below. If you want to replicate bank master data, choose the link *Bank Replication* and so on. You can find all available types of master data in the Related Information section below.

"A" Line - Setup on SAP Business Technology Platform (BTP)

Steps	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Assign global account and create entitlement	SAP Business Technology Platform	No, done once	<ul style="list-style-type: none"> Getting a Global Account for SAP Master Data Integration. Entitlement and Quotas for SAP Business Technology Platform.
Create a subaccount	SAP Business Technology Platform	No, done once for each landscape	Managing Subaccounts Using the Cockpit for SAP Master Data Integration.

Steps	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
<p>Create a tenant for your subaccount</p> <div data-bbox="199 497 485 891"> <p>Note</p> <p>For each subaccount, there can be at most one tenant of SAP Master Data Integration. This tenant is created for a subaccount with the subscription of the SAP Master Data Integration Tenant application.</p> </div>	SAP Business Technology Platform	No, done once for each new subaccount	Creating Tenants for SAP Master Data Integration
<p>Create a service instance and a service key</p> <div data-bbox="199 1010 485 1505"> <p>Note</p> <p>If you have already created an instance for the replication of one type of master data using SAP Master Data Integration service, you do not need to set up additional instances for the replication of other types of master data. You can use the instance which already exists.</p> </div>	SAP Business Technology Platform	No, done once for each connected product	Connecting Clients for SAP Master Data Integration.
<p>Configure a business system ID</p>	SAP Business Technology Platform	No, done once for each connected product	Configuring businessSystemIds for Client Applications for SAP Master Data Integration
<p>Configure permissions</p>	SAP Business Technology Platform	No, done once for each connected product	Configuring Permissions for SAP Master Data Integration

"B" Line - Configure SAP Business Data Orchestration (BDO)

Steps	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Set up the required destinations	SAP Business Technology Platform	No, done once for each connected product	Manage Distribution Model
<div style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;"> <p>Note</p> <p>A single destination needs to be set up for each unique system connection.</p> </div>			
Activate Master Data Distribution	SAP Business Technology Platform	Yes, see the master data-specific information for the data that needs to be entered to complete the step	Maintenance of the Distribution Model in Business Data Orchestration

"C" Line - Setup SAP Fieldglass (Inbound)

For detailed information on using Configuration Manager, see the [SAP Fieldglass Configuration Manager](#) guide.

The tasks described in this guide require a configuration manager user role to enable and configure the integration connectors in Configuration Manager. On the Self-Service Dashboard, use the [Connector Wizard](#) tile or the [Connector Catalog](#) button to choose a connector and open it on the detailed connector Integration page. Then choose either the [Enable](#) button or the [Edit](#) button, as needed, to open the connector in the [Connector Wizard](#) and complete the configuration as described.

Note

The steps noted above apply to all connectors; however, specific configurations can vary by connector. For example, most connectors require creating end points and subscriptions, while some also require creating a connector variant or column transforms for connector uploads.

In SAP Fieldglass, you can control user visibility and access to master data objects through user roles in the Client Admin. The administrator can enable the [View](#) option to prevent a user from editing or deleting master data. For more information on user roles, see [User Role](#).

Enable Connector

Step	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Enable connector.	Configuration Manager	No, done once	See Configure Step and Enable Connector .
<div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p>Note</p> <p>When enabling, activating, and configuring connectors, some of the following setup steps may or may not be required, depending on the specific connector specification. In addition to this guide, see the related topics in the SAP Fieldglass Configuration Manager guide, as noted in the following table.</p> </div>			
Create and activate a connector variant.	Configuration Manager	No, done once	<p>A connector variant is a copy of a standard connector that you can customize. When creating a new variant, the Set Up Connector wizard guides you through the steps required to enable and configure the variant. All fields from the original connector populate in the variant. You can then customize the connector specifications, security, custom fields, variant flows, transfer methods, and schedule a file upload or download.</p> <p>See Create Variant.</p>

Step	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Create column transforms.	Configuration Manager	No, done once	See Column Transforms for Connector Uploads .

Note

Column transforms allow you to modify the data in a connector upload file by adding and editing native fields, adding additional fields, and applying column transform templates.

Each connector in this guide has specific instructions that you need to complete start to finish before moving on to the next connector. Work with one connector at a time, in the order they're presented, completing all tasks as described.

Create an End Point

Step	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Create an end point.	Configuration Manager	No, done once	See Create End Point .

Note

When configuring end points, see [Appendix: API Versions \[page 65\]](#) for the latest API versions for each entity. Using an invalid API Version can cause MDI to SAP Fieldglass integrations to fail.

Create and Manage a Subscription

Step	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Create a subscription.	Configuration Manager	No, done once	See Create Subscription .
Run the subscription.	Configuration Manager	No, done once	See Test Subscription .
Monitor replication activity.	Configuration Manager	No, done once	See Monitor Activity .

Note

When setting up subscriptions, it's important to follow the order listed so each subscription sequences correctly to resolve dependent data.

"D" Line - Setup SAP Fieldglass (Outbound)

Step	Where to Perform This Step	Master Data-Specific Information Needed to Complete Step	Where to Find How-To Information for Completing This Step
Create Payload.	Configuration Manager	No, done once	See External Worker [page 61]
Create End Point.	Configuration Manager	No, done once	See External Worker [page 61] .
Create Publish Subscribe Entries.	Configuration Manager	No, done once	See External Worker [page 61] .

2 SAP S/4HANA Master Data Replication (Inbound)

Describes how to use SAP Fieldglass Configuration Manager to enable and configure connectors for replicating master data from SAP S/4HANA and on premise using SAP Master Data Integration service.

When setting up connectors and subscriptions, it's important to follow the order listed so each subscription sequences correctly to resolve dependent data.

The master data objects are:

2.1 Company Code

Replicate company code master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Prerequisites

You're signed into SAP Fieldglass as configuration manager.

Context

The 'Legal Entity Upload' connector is used to replicate company codes.

The connector details are as follows:

Connector Description

Connector Details	Legal Entity Upload	Comments/ Notes
Real Time vs. Batch	Real-Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the upload column transform mapping below.	

When configuring the Legal Entity Upload, refer to the following example:

Integration Edit Disable Actions

Connector Name	Status	Activity	Last Run Date (GMT)
Legal Entity Upload	On	Upload	1900-01-01 00:00:00.0

[Details](#) [Upload Column Transform](#) [Connectivity](#) [Integration Audit Trail](#) [Modification Log](#)

Details

Given Connector Name	Legal Entity Upload - variant 1
Variant	4194
Version	API-A-V1.0
Description	This connector enables Buyer Administrators to upload multiple legal entities into the application at one time, eliminating the need to manually enter each set of data through the user interface.
Custom Description	Legal Entity Upload - variant 1
Upload Record Limit	10000
Connector Specification	View Guide

Client Internal Integration

Integration System	SAP
Transfer Method	SFTP

Setup

Delimiter	,
Asynchronous?	No
Archive Data?	Yes
Enable connector to be used through user interface?	Yes
Duplicate File Check	Yes
Sensitive Data	No
Encoding	ISO-8859-1
Pre-Processors	FileHeaderPreProcessor
Email Recipients On Success	(not defined)
Email Recipients On Failure	(not defined)

Connector Header 2 Items Found Rows 1000 Apply Filters

Header Name	Value
Language	English (United States)

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the *Connectors* tile.
2. On the Connector List page, choose the *Connector Catalog* tab.
3. Search for 'Legal Entity Upload' connector, version 'API-A-V1.0', and then click the connector name hyperlink.
4. On the connector Integration page in the upper right, choose *Enable*.

The Set Up Connector page opens the *Enable* step in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing *Next* to advance through the setup pages.
 1. In the *Connector Name* field, enter a custom name, for example `Legal Entity Upload - variant 1`.
 2. In the *Upload Data Format* option, choose `JSON`.
 3. In the *Pre-Processor* list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`, as shown next:

Pre-Processors (optional)

1. insite.partner.preprocessor.FileHeaderPreProcessor.preProcess

2. insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess

[+ Add Pre-Processor](#)

4. In the *Customize* step under *Upload Column Transform*, choose *+ Add Native Field* to add the following native field:

Add Native Field

Standard Column Name	File Column Name	Script	Default Value
Country/Region	integration.country	<pre>TransformUtil.ifElseCondition(\$_Country/Region\$.equals(" ") \$_Country/Region\$ == null, "", TransformUtil.getCountryCodeFromShortCode(\$_Country/Region\$))</pre>	

5. Choose *+ Add Additional Field* to add the following additional fields:

Note

Values in **bold** font need to be provided by SAP.

Add Additional Fields

Standard Column Name	File Column Name	Script	Default Value
Legal Entity Country	integration.divisionCode-Country	<pre>TransformUtil.ifElseCondition(\$_Legal Entity Country\$.equals(" ") \$_Legal Entity Country\$ == null, "", TransformUtil.getCountryCodeFromShortCode(\$_Legal Entity Country\$))</pre>	

Name	value_text
tokenIssuerEndpoint	https://<system URL>/oauth/token

Refer to the following image for the additional field setup:

Additional Fields

__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter
apiVersion	v0/odm-draft/4.0.0-20220513165643
clientId	id-82338264-c248-4c72-a271-3824a733388971222one-mdb-master10048
clientSecret	82338264-c248-4c72-a271-3824a733388971222one-mdb-master10048
limitHint	20
serviceEndPoint	https://one-mdb-master10048.svc.cloud.sap.com/odm-draft/4.0.0-20220513165643
since	initial
tokenIssuerEndpoint	https://one-mdb-master10048.svc.cloud.sap.com/odm-draft/4.0.0-20220513165643/oauth/token

5. To create the end point, choose *Submit*.
9. Choose *Next*.
10. In the *Setup Subscription* step, choose *Create New*.
11. In the *Setup Subscription* dialog box, follow the instructions in the setup wizard to create the subscription with the following details.

Subscription Details

Field	Value
Type	Upload
Connector	Choose the connector name you created in step 5 above.
End Point	Choose the new end point you created.
Parameters	Enter <code>one_mds_legalentity</code> (required value).
Subscriber	Enter <code>insite.subscription.OneMasterDataWebserviceUploadSubscription</code> (required value).
Notification Email	Email to notify on status. Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that you can multiple values in the boxes using CTRL- or SHIFT- clicks. Set the subscription to run once daily.
Time Zone	Choose a value where the subscription runs.
Status	Choose <code>Enabled</code> .

Refer to the following image:

Create/Maintain Subscription

You can select an endpoint from the list. Schedule the pickup at the desired time. Emails can be distributed upon success or failure. If there are no endpoints configured, you can create new endpoint from Maintain Endpoint tile.

Type*
 Upload Download

Connector*
Legal Entry Upload - variant 1 (API-A-V1.0)

End Point*
MDI_COMPANYCODE_S4 (webservice)

Parameters (optional)
one_mds_legalentity

Subscriber (optional)
insite.subscription.OneMasterDataWebserviceUploadSubscription

Notification Email (optional)

Delivery Time*

Minute*	Hour*	Date*	Month*	Day*
Every 0 1 2 3 4 5 6	Every 0 1 2 3 4 5 6	Every 0 1 2 3 4 5 6 7	Every January February March April May June July	Every Sunday Monday Tuesday Wednesday Thursday Friday Saturday

At minute 1 past hour 1 on day-of-month 2 and on Monday in January

Submit Cancel

6. To save the subscription, choose [Save](#).

2.2 Purchase Org

Replicate purchase org master data inbound to SAP Fieldglass from SAP S/4HANA.

Context

This integration uses the 'Purchase Unit Upload' connector for importing data from MDI with an endpoint and subscription in SAP Fieldglass.

The connector details are as follows.

Connector Description

Connector Details	Purchase Unit Upload	Comments/Notes
Real Time vs. Batch	Real Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout/ Data Mapping	Refer to the upload column transform mapping below.	

Refer to the following image.

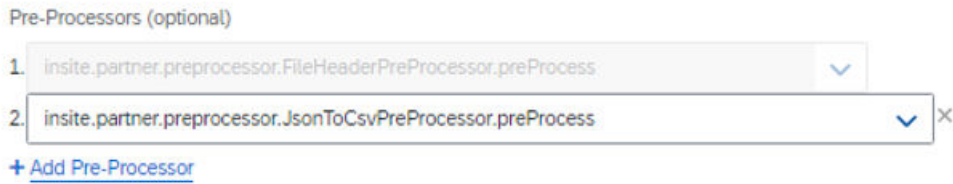
Connector Detail For: Purchase Unit Upload		Add Column Transform Template	Run	Edit	Remove	New	Back to connector list
Procedure Id	FGLS_PURCHASE_UNIT_UPLOAD						
Connector Name	Purchase Unit Upload						
Activity	Upload						
Connector Description	This connector may be used by Buyer Administrators to upload Purchase unit into Fieldglass, replacing the need for uploading each one through the application's user Interface.						
Version	API-A-V1.0						
SQL File Name							
Input Instruction							
Type	Standard						
System	FG						
Module	Purchase Unit						
Company Type	Buyer						
SQL Command							
Transformers (comma separated list of class.method)	insite.web.integration.translator.advance.PurchaseUnitCsvTranslator						

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the *Connectors* tile.
2. On the Connector List page, choose the *Connector Catalog* tab.
3. Locate the 'Purchase Unit Upload' connector version 'API-A-V1.0', and click the connector name hyperlink.
4. On the connector Integration page, choose *Edit* (or if the connector is disabled, choose *Enable* to activate it).

The Connector Setup page opens in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing *Next* to advance through the setup pages.
 1. Enter a custom connector name.
 2. Add the Pre-Processor as shown next.



- On the *Upload Column Transform* tab of the connector, fields and values must be added. Refer to the following mapping tables to create the upload column transform.

Note

A new additional field, `mdi_id`, was added as a part of this requirement. Refer to the table below for mapping details.

Below Upload column mapping copy name value to description.

Upload Column Mapping Details

Standard Column Name	File Column Name	Script	Default Value
Description		TransformUtil.ifElseCondition(\$_Name\$_equals("")) \$_Name\$_== null,"",\$_Name\$_)	

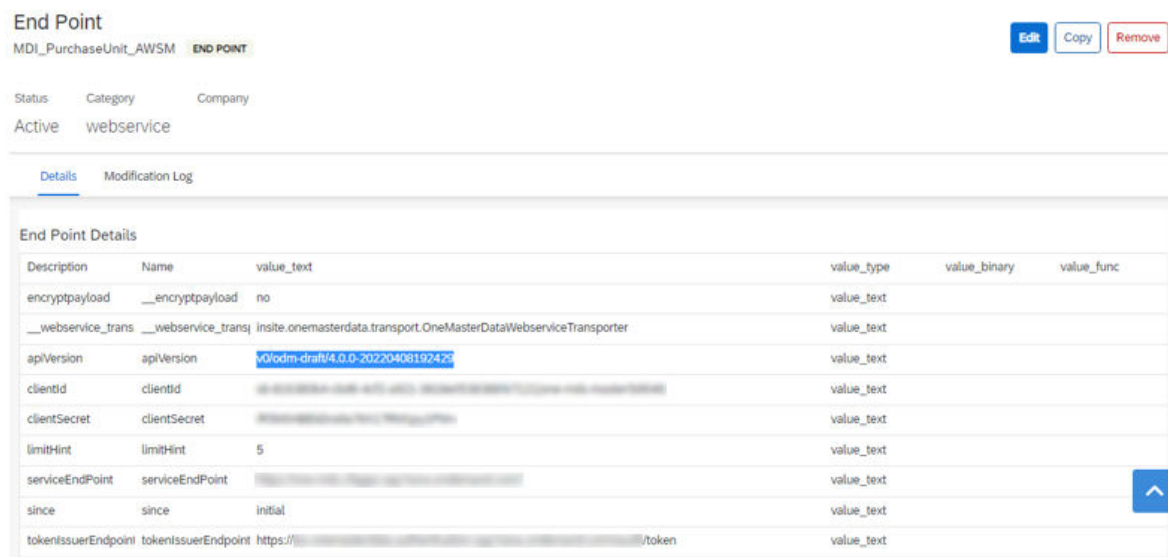
- Create a new End Point with the following values:

- Enter the *ID*, such as `MDI_PurchaseUnit_Company Code`. (Precede Company Code with `_` (underscore).)
- Enter the *Category* as `webservice`.
- For *Activity*, choose `Active`.
- Enter the following *Additional Fields*:

End Point Additional Fields

Name	value_text
<code>_webservice_transport_class</code>	<code>insite.onemasterdata.transport.OneMasterDataWebserviceTransporter</code>
<code>apiVersion</code>	<code>v0/odm-draft/4.0.0-20220408192429</code>
<code>ClientId</code>	<code><client ID value></code>
<code>clientSecret</code>	<code><client secret value></code>
<code>limitHint</code>	<code>20</code>
<code>serviceEndPoint</code>	The end point you created in the previous step.
<code>since</code>	For a new setup, use <code>initial</code> . The system will generate this value after it's created.
<code>tokenIssuerEndpoint</code>	<code>https://<system URL>/oauth/token</code>

Refer to the following image:



7. Add a new subscription with the following values:

Subscription Details

Field	Value
Type	Upload
Connector	MDI_PurchaseUnit_Company Code (refer to "MDI_PurchaseUnit_Company Code End Point Config" in step 6 above)
End Point	Choose the new end point you created.
Parameters	Enter one_mds_purchaseunit (required value).
Subscriber	Enter insite.subscription.OneMasterDataWebserviceUploadSubscription (required value).
Notification Email	Email to notify on status. Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that you can multiple values in the boxes using CTRL- or SHIFT- clicks. Set the subscription to run once daily.
Time Zone	Choose a value where the subscription runs.
Status	Choose Enabled.

Refer to the following image.

MDI_PurchaseUnit_AWSM

SUBSCRIPTIONS

Status: Disabled Subscriber Id: z21032313395830036802a51 Company:

Buttons: [Edit](#) [Advanced Edit](#) [Enable](#) [Run Now](#) [Remove](#) [Test](#)

Details Modification Log

Base Information		From	
Subscription Name	MDI_PurchaseUnit_AWSM	Deliverable Id	MDI_PurchaseUnit_AWSM
Company	null (AWSM)	Parameters	one_mds_purchaseunit
Type	Upload (other)	Subscription Class	insite.subscription.OneMasterDataWebServiceUploadSubscrip
Subscriber	Administrator, Fieldglass (AWSM@fg_help)	To	
Subscriber Id	z21032313395830036802a51	Destination	z21032313395830036802a51
Delivery Time		Batch Job Id	N/A
Assigned Server	Subscription1	Connector Id	z22070108064315168783a51
Time Zone	UTC	Delivery Agent Class	insite.subscription.ConnectorDeliveryAgent
Minute	0	Notification Email	
Hour	Every	Internal Notification Emails	
Date	Every	Test Result	
Month	Every	Test Delivery Time	
Day	Every	Test Document Status	

8. To save the subscription, choose [Save](#).
9. Choose [Exit Wizard](#).

2.3 Cost Center

Replicate cost center master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Context

SAP S/4HANA Cloud or SAP S/4HANA is the source/master for cost center maintenance. There's only one SAP S/4HANA Cloud or SAP S/4HANA tenant responsible for a cost center and only this tenant can change the cost center.

Cost Center data replicates automatically based on the delivery time defined in the MDI_COSTCENTER subscription that you configure.

Connector Description

Procedure ID	1629
Connector Name	Cost Center Upload
Activity	Upload
Connector Description	This connector enables Buyer Administrators to upload multiple sets of cost center data into the application at one time, eliminating the need to manually enter each set of data through the user interface.

Version	API-A-V1.0
Type	Standard
System	FG
Module	Cost Center
Company Type	Both
Transformers (comma-separated list of class.method)	insite.web.integration.translator.CostCenterCsvTranslator

Refer to the following image:

Connector Detail For: Cost Center Upload

[Add Column Transform Template](#)
[Run](#)
[Edit](#)
[Remove](#)
[New](#)
[Back to connector list](#)

Procedure Id	1629
Connector Name	Cost Center Upload
Activity	Upload
Connector Description	This connector enables Buyer Administrators to upload multiple sets of cost center data into the application at one time, eliminating the need to manually enter each set of data through the user interface.
Version	API-A-V1.0
SQL File Name	
Input Instruction	
Type	Standard
System	FG
Module	Cost Center
Company Type	Buyer
SQL Command	
Transformers (comma separated list of class.method)	insite.web.integration.translator.CostCenterCsvTranslator

The connector details are as follows:

Connector Details

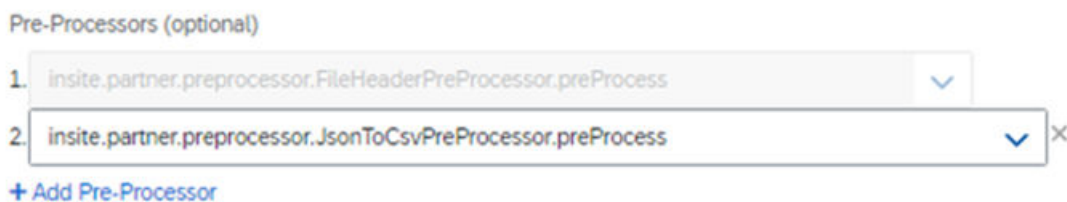
Connector Details	Cost Center Upload	Comments/Notes
Real Time vs. Batch	Real-time	
Transfer Method	Web Services	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the upload column transform mapping below.	

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the [Connectors](#) tile.
2. On the Connector List page, choose the [Connector Catalog](#) tab.
3. Locate the 'Cost Center Upload' connector version 'API-A-V1.0', and click the connector name hyperlink.
4. On the connector Integration page, choose [Edit](#) (or if the connector is disabled, choose [Enable](#) to activate it).

The Connector Setup page opens in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing [Next](#) to advance through the setup pages.
 1. In the [Connector Name](#) field, enter a custom name, for example `Cost Center Upload - variant 1`.
 2. In the [Upload Data Format](#) option, choose `JSON`.
 3. In the [Pre-Processor](#) list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`, as shown next:



4. In the [Customize](#) step under [Upload Column Transform](#), choose [+ Add Native Field](#) to add the following native field:

Note

A new additional field ('Mdi_id') has been added as a part of this requirement. Refer to the following table for the mappings.

Upload Column Mappings

Standard Column Name	File Column Name	Script	Default Value
Account Category			Cost Center
Currency			ALL
Include All Expense Flag			Yes
Include ALL Task Flag			Yes
Reason			MDI Integration close

5. Choose [Next](#).
6. In the [Connectivity](#) step under [Transfer Method](#), choose `Subscription`.
7. In the [Configure End Point](#) step, choose [Create New](#) and continue to follow the instructions in the setup wizard.
 1. In the [ID](#) field, enter the end point ID, for example, `MDI_CostCenter_Company Code` (where `_Company Code` is an underscore (`_`) followed by your company code).
 2. In the [Category](#) list, choose `webservice`.
 3. Under [Web Service Details](#), enter the required Web Service URL. Username and password are optional.
 4. On the bottom of the page, click [+ Add Additional Fields](#) and add the following fields:

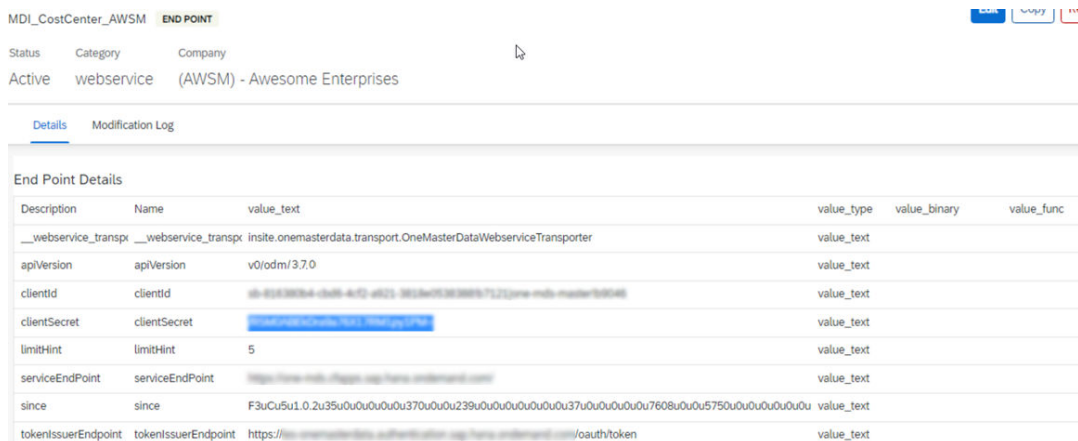
Note

Enter the details under the [Name](#) column the same as noted in the table.

End Point Additional Fields

Name	value_text
__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter
apiVersion	v0/odm/3.7.0
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	20
serviceEndPoint	The end point you created in the previous step.
since	For a new setup, use initial. The system will generate this value after it's created.
tokenIssuerEndpoint	https://<system URL>/oauth/token

Refer to the following image:



8. To create the end point, choose *Submit*.
9. Choose *Next*.
10. In the *Setup Subscription* step, choose *Create New*.
11. In the *Setup Subscription* dialog box, follow the instructions in the setup wizard to create with the following details.

Subscription Details

Field	Value
Type	Upload
Connector	MDI_CostCenter_(Company Code)
End Point	MDI_CostCenter_(Company Code) (refer to 'MDI_CostCenter_AWSM End Point Config' in the section above)
Parameters	one_mds_costcenter
Subscriber	insite.subscription.OneMasterDataWebserviceUpload-Subscription

Field	Value
Notification Email	Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that multiple values can be selected in the boxes using CTRL - or SHIFT - clicks. Set this subscription to run once daily.
Time Zone	Choose a value for where the subscription runs.
Status	Choose Enabled .

Refer to the following image:

MDI_CostCenter_AWSM

SUBSCRIPTIONS

Status: Disabled Subscriber Id: z21032313395830036802a51 Company: Awesome Enterprises (AWSM)

Buttons: Edit, Advanced Edit, Enable, Run Now, Remove, Test

Details | Modification Log

Base Information		From	
Subscription Name	MDI_CostCenter_AWSM	Deliverable Id	MDI_CostCenter_AWSM
Company	Awesome Enterprises (AWSM)	Parameters	one_mdscostcenter
Type	Upload (other)	Subscription Class	insite.subscription.OneMasterDataWebserviceUploadSubscrip
Subscriber	Administrator, Fieldglass (AWSM@fg_help)	To	
Subscriber Id	z21032313395830036802a51	Destination	z21032313395830036802a51
Delivery Time		Batch Job Id	N/A
Assigned Server	Subscription1	Connector Id	z22020305393909078829a51
Time Zone	IST	Delivery Agent Class	insite.subscription.ConnectorDeliveryAgent
Minute	Every	Notification Email	
Hour	Every	Internal Notification Emails	
Date	Every	Test Result	
Month	Every	Test Delivery Time	
Day	Every		

- To save the subscription, choose **Save**.
- Choose **Exit Wizard**.
- To test the connector upload, on the Self-Service Dashboard, choose the **Integration Subscriptions** tile. On the Subscription List page, run the MDI_COSTCENTER subscription to enable data polling using the end point and cost center variant you created, and then choose **Run Now** to test and enable the sequence to run.
- Verify the connector activity for cost centers processed in the Integration Audit Trail.

Activity	Upload
Server	CHIN34767842A SNAPSHOT
Type	Upload Cost Centers
Version	API-A-V1.0
Initiator	SUBSCRIPTION
Run Date	
Last Run Date	
Last Run Date 2	
Start Time	07/24/2020 06:13 PM
Stop Time	07/24/2020 06:24 PM
Duration (mm:ss.ms)	11:20.123
Server Status	Upload Data Error
Server Message	Record 209: Duplicate of record Cost Center Code: SBJAY_1. Record 298: Duplicate of record Cost Center Code: BAYALA79. Record 396: Duplicate of record Cost Center Code: H2R_CCT16. Record 470: Duplicate of record Cost Center Code: CCHARICHG.
Stack Trace	
Records Processed	496

2.4 Project Controlling Object

Replicate project controlling object master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Context

SAP S/4HANA Cloud or SAP S/4HANA instance provides the project controlling object.

S/4HANA Cloud = WBS elements

S/4HANA On Premise = Network and Network Activity

To replicate the project controlling object, in SAP Fieldglass create a connector variant and a subscription to process the data upload.

Procedure

1. Follow the same steps as in [Cost Center \[page 20\]](#) using a different Cost Center variant.

Details		Setup	
Custom Connector Name	Upload Project Controlling Object	Log Delivery Type	Webservice
Variant	MDIP	Delimiter	
Version	API-A-V1.0	Asynchronous?	No
Description	This connector enables Buyer Administrators to upload multiple sets of cost center data into the application at one time, eliminating the need to manually enter each set of data through the user interface.	Do not allow concurrent runs.	No
Custom Description		Archive Data?	Yes
Run Number	0	Enable connector to be used through user interface?	Yes
Upload Record Limit	5000	CRC Check	No
		Sensitive Data	No
		Encoding	ISO-8859-1

2. Create a subscription as shown next and add the Argument `one_mds_wbs`.

Base Information		From	
Subscription Name	one_mds_wbs	Deliverable Id	one_mds_wbs
Company	Charter Airlines (CRPA)	Argument	one_mds_wbs
Type	Upload (other)	Subscription Class	insite.subscription.WebserviceUploadSubscrip
Subscriber	Streaming Agent		
Subscriber Id	z0602010805385131560815d		

Delivery Time		To	
Assigned Server	Subscription1	Destination	z0602010805385131560815d
Time Zone	America/Los_Angeles	Batch Job Id	N/A
Minute	1	Connector Id	z191004132212176166794cf
Hour	0	Delivery Agent Class	insite.subscription.ConnectorDeliveryAgent
		Notification Email	
		Internal Notification Emails	

2.5 Plant

Replicate plant company data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Context

The 'Plant Upload' connector uploads sites. It allows customers currently using a Facility Management application to maintain location data in that system and use this upload to pass the pertinent data for sites to SAP Fieldglass.

The connector details are as follows.

Connector Details

Connector Details	Plant Upload	Comments/ Notes
Real Time vs. Batch	Real Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the Upload Column Mapping Details below.	

Refer to the following image:

The screenshot shows the 'Connector Detail For: Site Upload' page. At the top right, there are buttons for 'Add Column Transform Template', 'Run', 'Edit', 'Remove', 'New', and 'Back to connector list'. The main content is a table with the following details:

Procedure Id	1650
Connector Name	Site Upload
Activity	Upload
Connector Description	This connector may be used by customers and/or MSP Partner Administrators to upload multiple sites into Fieldglass, replacing the need to enter site adds, updates, and deletes one by one through the application's user interface. In some situations, it allows customers that are currently using a Facility Management application to maintain location data in that system and utilize this upload to pass the pertinent data for sites to Fieldglass.
Version	API-A-V1.0
SQL File Name	
Input Instruction	
Type	Standard
System	FG
Module	Site
Company Type	Buyer
SQL Command	
Transformers (comma separated list of class.method)	insite.web.integration.translator.SiteCsvTranslator

Procedure

1. Enable the Site Upload connector in SAP Fieldglass.
 1. Enter a custom connector name.
 2. Add the Pre-Processor as shown next.

The screenshot shows the 'Pre-Processors (optional)' configuration area. It contains a list of two pre-processors:

1. insite.partner.preprocessor.FileHeaderPreProcessor.preProcess
2. insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess

Below the list is a '+ Add Pre-Processor' link.

3. On the *Upload Column Transform* tab of the connector, fields and values must be added. Refer the below mapping table to create upload column transform and add native fields and additional fields.

Note

A new additional field `mdi_id` was added as a part of this requirement. Refer to the mapping below.

Upload Column Mapping Details

Standard Column Name	File Column Name	Script	Default Value	Notes
Country/Region	integration.country			
Corporate Calendar		TransformUtil.ifElseCondition(\$_Country/Region\$_equals("US") \$_Country/Region\$_equals("USA"), "CA", \$_State/Province\$_)	Default Corporate Calendar	Using this as State/Province is mandatory for Country USA.
State/Province		TransformUtil.ifElseCondition(\$_Country/Region\$_equals("")) \$_Country/Region\$_ == null, "", TransformUtil.getCountryCodeFromShortCode(\$_Country/Region\$_)		
Currency	integration.currency		USD	Only applicable if Legal Entity is disabled in the company configuration.

2. Create a new End Point with the following values:
 1. Enter the ID, such as `MDI_Site_Company Code`. (Precede Company Code with `_` (underscore).)
 2. Enter the *Category* as `webservice`.
 3. Select the company from the *Company* list.
 4. For *Activity*, choose `Active`.
 5. Enter the following Additional Fields:

Note

Details under `Name` column should be the same as noted in the following table.

Field	Value
Status	Choose Enabled.

Refer to the following image:

MDI_Site_AWSM
SUBSCRIPTIONS

Status: Disabled | Subscriber Id: z21032313395830036802a51 | Company: Awesome Enterprises (AWSM)

Buttons: Edit, Advanced Edit, Enable, Run Now, Remove, Test

Base Information		From	
Subscription Name	MDI_Site_AWSM	Deliverable Id	MDI_Site_AWSM
Company	Awesome Enterprises (AWSM)	Parameters	one_mds_site
Type	Upload (other)	Subscription Class	inSite.subscription.OneMasterDataWebserviceUploadSubsc
Subscriber	Administrator, Fieldglass (AWSM@fg_help)	To	
Subscriber Id	z21032313395830036802a51	Destination	z21032313395830036802a51
Delivery Time		Batch Job Id	N/A
Assigned Server	Subscription1	Connector Id	z22070108090032870714a51
Time Zone	UTC	Delivery Agent Class	inSite.subscription.ConnectorDeliveryAgent
Minute	0	Notification Email	
Hour	Every	Internal Notification Emails	
Date	Every	Test Result	
Month	Every		

- To save the subscription, choose [Save](#).
- Choose [Exit Wizard](#).

2.6 Sales Controlling Object (On Premise Only)

Replicate sales controlling object master data inbound to SAP Fieldglass from SAP S/4HANA.

Prerequisites

Replication of sales controlling object (sales order) is for SAP S/4HANA on premise only.

Context

In SAP Fieldglass the sales controlling object is a cost object. The 'Cost Center Upload' connector is used to replicate the sales controlling object from SAP S/4HANA to an SAP Fieldglass cost center entity.

The connector details are as follows:

Connector Description

Connector Details	Cost Center Upload	Comments/ Notes
Real Time vs. Batch	Real Time	
Transfer Method	Web Services	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the upload column transform mapping below.	

When configuring the Cost Center Upload for sales controlling object, refer to the following example.

Cost Center Upload
INTEGRATION

Last Run Date (GMT) Company Code Status Activity Custom Connector Name

2022-07-25 05:54:08.217 AWSM On Upload ONE MDS Sales Order

[Edit](#) [Disable](#) [Actions](#) ▾

[Details](#) [Upload Column Transform](#) [Modification Log](#)

Details		Setup	
Custom Connector Name	ONE MDS Sales Order	Log Delivery Type	Email
Variant	MDIS	Delimiter	,
Version	API-A-V1.0	Asynchronous?	No
Description	This connector enables Buyer Administrators to upload multiple sets of cost center data into the application at one time, eliminating the need to manually enter each set of data through the user interface.	Process transactions in queue?	No
Custom Description		Archive Data?	Yes
Upload Record Limit	10000	Enable connector to be used through user interface?	Yes
Run Number	2	CRC Check	No
Client Internal Integration		Sensitive Data	No
Client System Name	(not defined)	Encoding	ISO-8859-1
Integration System	SAP	Pre-Processors	insite.partner.preprocessor.FileHeaderPreProcessor.preP insite.partner.preprocessor.JsonToCsvPreProcessor.preP
		Owner Email	(not defined)

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the [Connectors](#) tile.
2. On the Connector List page, choose the [Connector Catalog](#) tab.
3. Search for the 'Cost Center Upload' connector, version 'API-A-V1.0', and then click the connector name hyperlink.
4. On the connector Integration page, in the upper-right side of the page, choose [Enable](#).

The Set Up Connector page opens the [Enable](#) step in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing [Next](#) to advance through the setup pages.
 1. Enter a custom connector name.
 2. Add the pre-processor as shown next.

Pre-Processors (optional)

1. insite.partner.preprocessor.FileHeaderPreProcessor.preProcess
2. insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess

[+ Add Pre-Processor](#)

3. On the *Upload Column Transform* tab of the connector, fields and values must be added. Refer to the following mapping tables to create the upload column transform. In the following Upload Column Mapping, copy the name value to the description.

Add Native Fields

Standard Column Name	File Column Name	Script	Default Value
Account Category			SalesOrder
Cost Center Name		TransformUtil.ifElseCondition(\$_Cost Center Name\$_equals("")) \$_Cost Center Name\$_ == null,"SO" + "-" + \$_Sales Order Id\$_ + "-" + \$_Sales Order Item Id\$_, \$_Cost Center Name\$_);	
Currency			ALL
Include All Expense Flag			Yes
Include All Task Flag			Yes
Reason			MDI integration close

6. Create a new End Point with the following values:
 1. Enter the *ID*, such as MDI_SalesOrder_Company Code. (Precede Company Code with _ (underscore).)
 2. Enter the *Category* as webservice.
 3. For *Activity*, choose Active.
 4. Enter the following *Additional Fields*:

Note
Details under the Name column should be the same mentioned in below table.

End Point Additional Fields

Name	value_text
__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter
apiVersion	/v0/odm/4.0.0
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	20

Refer to the following image:

MDI_SalesOrder_AWSM
SUBSCRIPTIONS

Status	Subscriber Id	Company
Disabled	z21032313395830036802a51	

Edit Advanced Edit Enable Run Now Remove Test

Details Modification Log

Base Information		From	
Subscription Name	MDI_SalesOrder_AWSM	Deliverable Id	MDI_SalesOrder_AWSM
Company	Awesome Enterprises (AWSM)	Parameters	one_mds_salesorder
Type	Upload (other)	Subscription Class	insite.subscription.OneMasterDataWebservice1
Subscriber	Administrator, Fieldglass (AWSM@fg_help)		
Subscriber Id	z21032313395830036802a51		
Delivery Time		To	
Assigned Server	Subscription1	Destination	z21032313395830036802a51
Time Zone	UTC	Batch Job Id	N/A
		Connector Id	z22072010525561861073a51
		Delivery Agent Class	insite.subscription.ConnectorDeliveryAgent

8. To save the subscription, choose Save.
9. Choose Exit Wizard.

2.7 Business Partner and Business Partner Relationship

Replicate business partner and business partner relationship master data inbound to SAP Fieldglass from SAP S/4HANA.

Context

Unlike the other integration entities described in this guide, the replication of business partner and business partner relationship records doesn't use a connector – these entities use push processes. To accomplish this, create and configure two SAP Fieldglass end points on SAP Business Technology Platform (SAP BTP). MDI pushes the records to the SAP Fieldglass end points, where the records are consumed directly. Then, create two distribution models in MDO using the push mechanism.

Procedure

1. Create two destinations in BTP subaccount for MDI Business Partner (Supplier) and MDI Business Partner Relationship to receive on SAP Fieldglass.

Note

The *Name* should start with the Business System ID used in setting up the MDI instance.

For example, <https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerPush>.

Protocol	Name	Authentication	Proxy Type	URL
HTTP	Fieldglass_BPOUTBOUND	BasicAuthentication	Internet	https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerPush
HTTP	Fieldglass_BPREOUTBOUND	BasicAuthentication	Internet	https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerRelationshipPush
HTTP	MDI_PROVIDER	OAuth2ClientCredentials	Internet	https://mdmbp-production-distribution-service.cfapps.sap.hana.ondemand.com/odata/v2/mdo.orchestra...
HTTP	QBJ_740_BPCONFIRM	BasicAuthentication	OnPremise	http://fda2q8j.wdf.sap.corp:44320/sap/bc/rt/vip/sap/businesspartnersuitebulkreplic/740/service/bdng
HTTP	QBJ_740_BPOUTBOUND	BasicAuthentication	OnPremise	http://fda2q8j.wdf.sap.corp:44320/sap/bc/rt/vip/sap/businesspartnersuitebulkreplic/740/service/binding

Destination Configuration

Name: Fieldglass_BPOUTBOUND
 Type: HTTP
 Description:
 URL: https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerPush
 Proxy Type: Internet
 Authentication: BasicAuthentication
 User: DLAP@fg_help
 Password: *****

Additional Properties

MDCConsumer: true
 Use default JDK truststore

Note
 The *Name* should start with the Business System ID used in setting up the MDI instance.

For example, <https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerRelationshipPush>.

Protocol	Name	Authentication	Proxy Type	URL
HTTP	Fieldglass_BPOUTBOUND	BasicAuthentication	Internet	https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerPush
HTTP	Fieldglass_BPREOUTBOUND	BasicAuthentication	Internet	https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerRelationshipPush
HTTP	MDI_PROVIDER	OAuth2ClientCredentials	Internet	https://mdmbp-production-distribution-service.cfapps.sap.hana.ondemand.com/odata/v2/mdo.orchestra...
HTTP	QBJ_740_BPCONFIRM	BasicAuthentication	OnPremise	http://fda2q8j.wdf.sap.corp:44320/sap/bc/rt/vip/sap/businesspartnersuitebulkreplic/740/service/bdng
HTTP	QBJ_740_BPOUTBOUND	BasicAuthentication	OnPremise	http://fda2q8j.wdf.sap.corp:44320/sap/bc/rt/vip/sap/businesspartnersuitebulkreplic/740/service/binding

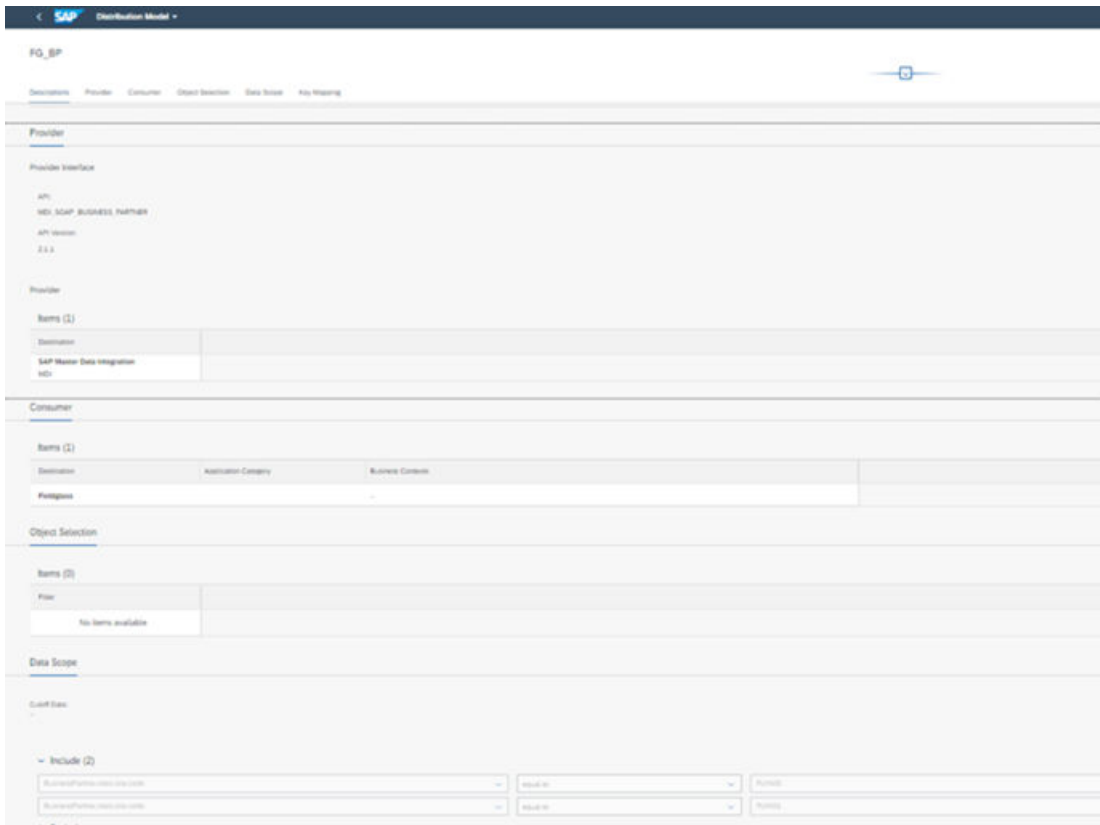
Destination Configuration

Name: Fieldglass_BPREOUTBOUND
 Type: HTTP
 Description:
 URL: https://ie1.fgvms.com/ws2/services/SAPBusinessPartnerRel...
 Proxy Type: Internet
 Authentication: BasicAuthentication
 User: DLAP@fg_help
 Password: *****

Additional Properties

Use default JDK truststore

2. Create two distribution models in MDO using the push mechanism.
 1. Business Partner object selection with FLVN00 and FLVN01.



2. Business Partner Relationship has no object selection.

SAP Distribution Model

FG_BPREL

Descriptions Provider Consumer Object Selection Data Scope Key Mapping

Provider

Provider Interface

API:
MDL_LOG_BUSINESS_PARTNER_RELATIONSHIP

API Version:
2.2.0-20210422073251

Provider

Items (1)

Destination
SAP Master Data Integration MDI

Consumer

Items (1)

Destination	Application Category	Business Contexts
Fieldglass		-

3. Check if messages are received in SAP Fieldglass using the *Monitor Activity* tile on the Configuration Manager Self-Service Dashboard.

SAP Fieldglass Data Tools

Home View Create Analytics Search by ID

Integration Audit Trail 100+ Items Found

Activity: Upload Period: 07/15/2021 to 10/29/2021 Rows: 50 Apply Filters

Transaction ID	Compan	Default Type	Type	Versior	Initiator	Server	Start Time	Duration (Second)	Read Only Run??	Status	Records Process	Records Failed
z21072820115228269379a1d	DLAB	SAPBusine	SAPBusine	1.0	WEBSERVICE2	CS2-PPR-IFS-329 ie1	07/29/2021 01:41:52 A	0.20	No	OK	1	0

2.8 Symbolic General Ledger Account

Replicate symbolic general ledger account master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA

Context

SAP S/4HANA Cloud or SAP S/4HANA instance provides the Symbolic General Ledger Account object.

To replicate the Symbolic General Ledger Account object, in SAP Fieldglass create a connector variant and a subscription to process the data upload.

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the **Connectors** tile.
2. On the Connector List page, choose the **Connector Catalog** tab.
3. Locate the 'G/L Account Upload' connector version 'API-A-V1.0', and click the connector name hyperlink.
4. On the connector Integration page, choose **Edit** (or if the connector is disabled, choose **Enable** to enable it).

The Connector Setup page opens in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing **Next** to advance through the setup pages.
 1. In the **Connector Name** field, enter a custom name, for example MDI G/L Account Upload - variant 1.
 2. In the **Upload Data Format** option, choose JSON.
 3. In the **Pre-Processor** list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`, as shown next:

General Ledger Account Upload

Integration

[Edit](#)
[Disable](#)
[Actions](#)

Last Run Date (GMT)	Company Code	Status	Activity	Custom Connector Name
1900-01-01 00:00:00.0	DLAB	On	Upload	MDI GL Account Upload

[Details](#)
[Upload Column Transform](#)
[Modification Log](#)

Details		Setup	
Custom Connector Name	MDI GL Account Upload	Log Delivery Type	Email
Variant	4268	Delimiter	,
Version	API-V1.0	Asynchronous?	No
Description	This connector may be used by customers and/or MSP Partner Administrators to upload multiple General Ledger accounts into Fieldglass, replacing the need for entering General Ledger accounts one by one through the application's user interface.	Process transactions in queue?	No
Custom Description		Archive Data?	Yes
		Enable connector to be used through user interface?	Yes
		CRC Check	Yes
		Sensitive Data	No

6. Create an end point as shown in the following image.

Status	Category	Company
Active	webservice	(DLAB) - DLAB

[Details](#) [Modification Log](#)

End Point Details

Description	Name	value_text	value_type	value_binary	value_func
__webservice_tra	__webservice_tra	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter	value_text		
apiVersion	apiVersion	v0/odm-draft/6.0.0-20230525085805	value_text		
clientId	clientId	66-81163854-c2d5-4172-a921-3823e75309817111one-mds-master18048	value_text		
clientSecret	clientSecret	#BXNDABE3Dzake7exL79M2py (PIN)	value_text		
limitHint	limitHint	100	value_text		
serviceEndPoint	serviceEndPoint	https://one-mds-fgapps.sap.hana.ondemand.com/	value_text		
since	since	initial	value_text		
tokenIssuerEndpo	tokenIssuerEndpo	https://ins.onemasterdata.authentication.sap.hana.ondemand.com/oauth/token	value_text		

7. Create a subscription as shown next, making sure to add the Argument `one_mds_wbs`.

MDI GL Account

Subscription

[Edit](#) [Advanced Edit](#) [Enable](#) [Run Now](#) [Remove](#) [Test](#)

Status	Subscriber Id	Company
Disabled	z2007080224114552303221d	DLAB (DLAB)

[Details](#) [Modification Log](#)

Base Information		From	
Subscription Name	MDI GL Account	Deliverable Id	MDI_GL_ACCOUNT
Company	DLAB (DLAB)	Parameters	one_mds_gl_account
Type	Upload (other)	Subscription Class	insite.subscription.WebserviceUploadSubscrip
Subscriber	Administrator, Fieldglass (DLAB@fg_help)	To	
Subscriber Id	z2007080224114552303221d		

8. Run the subscription or enable it to run continuously.

2.9 Exchange Rate

Replicate exchange rate master data inbound to SAP Fieldglass from SAP S/4HANA.

Context

This integration uses the 'Currency Conversion Upload' connector, version API-V1.0, for importing data from MDI with an endpoint and subscription in SAP Fieldglass to upload currency conversion factors and effective dates from SAP S/4HANA.

The connector details are as follows.

Connector Description

Connector Details	Plant Upload	Comments/ Notes
Real Time vs. Batch	Real Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the Upload Column Mapping Details below.	

Refer to the following image.

Connector Detail For: Currency Conversion Upload

[Add Column Transform Template](#)
[Run](#)
[Edit](#)
[Remove](#)
[New](#)
[Back to connector list](#)

Procedure Id	1950
Connector Name	Currency Conversion Upload
Activity	Upload
Connector Description	This connector may be used by customers and/or MSP Partner Administrators to upload multiple conversion factors and effective dates into Fieldglass, replacing the need for entering them separately, through the application's user interface.
Version	API-V1.0
SQL File Name	
Input Instruction	
Type	Standard
System	FG
Module	Currency Conversion
Company Type	Buyer
SQL Command	
Transformers (comma separated list of class.method)	

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the *Connectors* tile.
2. On the Connector List page, choose the *Connector Catalog* tab.
3. Locate the 'Currency Conversion Upload' connector version 'API-A-V1.0', and click the connector name hyperlink.
4. On the connector Integration page, choose *Edit* (or if the connector is disabled, choose *Enable* to activate it).

The Connector Setup page opens in the setup wizard.

5. Follow the instructions below and in the setup wizard to configure the connector, choosing *Next* to advance through the setup pages.
 1. Enter a custom connector name.
 2. Add the Pre-Processor as shown next.

Pre-Processors (optional)

1.
2.

[+ Add Pre-Processor](#)

Note

Date format for Effective Date in the incoming MDI payload is `yyyy-mm-dd`.

Once the connector is enabled, edit the connector header to support in `yyyy-mm-dd` date format rather than the default format.

6. Create a new End Point for the Currency Conversion Upload with the following values:
 1. Enter the ID, such as `MDI_ExchangeRate_Company Code`. (Precede Company Code with `_` (underscore).)
 2. Enter the *Category* as `webservice`.
 3. Select the company from the *Company* list.
 4. For *Activity*, choose `Active`.
 5. Enter the following Additional Fields:

Note

Details under `Name` column should be the same as noted in the following table.

End Point Details

Name	value_text
<code>_webservice_transport_class</code>	<code>insite.onemasterdata.transport.OneMasterDataWebserviceTransporter</code>
<code>apiVersion</code>	<code>v0/odm-draft/4.0.0-20220408192429</code>
<code>clientId</code>	<code><client ID value></code>
<code>clientSecret</code>	<code><client secret value></code>
<code>limitHint</code>	<code>5</code>
<code>serviceEndPoint</code>	The end point you created in the previous step.
<code>since</code>	For a new setup, use <code>initial</code> . The system will generate this value after it's created.
<code>tokenIssuerEndpoint</code>	<code>https://<system URL>/oauth/token</code>

Refer to the following image:

End Point
MDI_ExchangeRate_AWSM **END POINT** Edit Copy Remove

Status: Active Category: webservice Company: (AWSM) - Awesome Enterprises

[Details](#) [Modification Log](#)

Description	Name	value_text	value_type	value_binary	value_func
encryptpayload	__encryptpayload	no	value_text		
__webservice_transpx	__webservice_transpx	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter	value_text		
apiVersion	apiVersion	vQ'odm-draft/4.0.0-20220408192429	value_text		
clientId	clientId	00000000-0000-0000-0000-000000000000	value_text		
clientSecret	clientSecret	00000000000000000000000000000000	value_text		
limitHint	limitHint	5	value_text		
serviceEndPoint	serviceEndPoint	https://00000000000000000000000000000000	value_text		
since	since	F3uCu20u4.0.0-20220408192429u31u1u0u0u0u0u3u0u0u1u0u0u0u0u0u0u0u31u1u0u0u0u0u3u0u0u1u0u0u0u0u	value_text		
tokenIssuerEndpoint	tokenIssuerEndpoint	https://00000000000000000000000000000000/0auth/token	value_text		

7. Add a new subscription with the following values:

Subscription Details

Field	Value
Type	Upload
Connector	MDI_ExchangeRate_Company Code
End Point	MDI_ExchangeRate_Company Code (refer to 'MDI_ExchangeRate_Company Code End Point Config' in the section above).
Parameters	one_mds_exchangerate
Subscriber	insite.subscription.OneMasterDataWebserviceUploadSubscription
Notification Email	Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that multiple values can be selected in the boxes using CTRL - or SHIFT - clicks. Set this subscription to run once daily.
Time Zone	Choose a value for where the subscription runs.
Status	Choose Enabled.

Refer to the following image:

MDI_ExchangeRate_AWSM

SUBSCRIPTIONS

Status: Disabled Subscriber Id: z21032313395830036802a51 Company: Awesome Enterprises (AWSM)

Buttons: [Edit](#) [Advanced Edit](#) [Enable](#) [Run Now](#) [Remove](#) [Test](#)

Details Modification Log

Base Information		From	
Subscription Name	MDI_ExchangeRate_AWSM	Deliverable Id	MDI_ExchangeRate_AWSM
Company	Awesome Enterprises (AWSM)	Parameters	one_mdcs_exchangerate
Type	Upload (other)	Subscription Class	insite.subscription.OneMasterDataWebserviceUploadSubscription
Subscriber	Administrator, Fieldglases (AWSM@fg_help)		
Subscriber Id	z21032313395830036802a51		
Delivery Time		To	
Assigned Server	Subscription1	Destination	z21032313395830036802a51
Time Zone	UTC	Batch Job Id	N/A
Minute	Every	Connector Id	z22072004051520966151a51
Hour	Every	Delivery Agent Class	insite.subscription.ConnectorDeliveryAgent
Date	Every	Notification Email	
		Internal Notification Emails	

8. To save the subscription, choose [Save](#).

2.10 Product

Replicate product master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Prerequisites

You must create a pick list using the following configuration:

Details

Field	Value
Name	Product
Pick List Type	Integration Segmented Pick List
Number of Segments	6
Delimiter	;
Auto Fill first segment value with a native field value	No
Suppress form document from page	No

Segment Headers

Segment Number	Segment Name
1	displayld
2	id
3	isMarkedForDeletion
4	name

Segment Number	Segment Name
5	productGroup
6	type

When configuring the Product Pick List, refer to the following example:

Admin Configuration / Pick Lists / Pick List / Details

Product Download Data Edit New

Pick List

Details

Details

Warning: Please ensure the values of this Custom Field are populated using the Pick List Value upload.

Name	Product
Pick List Type	Integration Segmented Pick List
Number of Segments	6
Delimiter	:
Auto Fill first segment value with a native field value	No
Suppress from document form page	No

Segment Headers

1	displayid
2	id
3	isMarkedForDeletion
4	name
5	productGroup
6	type

Values 3 Items Found Apply Filters

displayid	id	isMarkedForDeletion	name	productGroup	type
<input type="text" value="Enter Criteria"/>	<input type="text" value="Enter Criteria"/>	<input type="text" value="Enter Criteria"/>	<input type="text" value="Enter Criteria"/>	<input type="text" value="Enter Criteria"/>	<input type="text" value="Enter Criteria"/>
001234	ZNSTEST_SAT6	false	FERT		
009999	009999	false	CG4 -> MDI	A002	FERT
01900	false	MDI -> CG4 (Int num)	A001	FERT	

[Clear Sort](#) [Clear Filters](#)

Rows: 5 | 1-3 of 3

Context

The 'Pick List Value Upload' connector replicates product data.

The connector details are as follows.

Connector Description

Connector Details	Legal Entity Upload	Comments/ Notes
Real Time vs. Batch	Real-Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the upload column transform mapping below.	

When configuring the Pick List Value Upload, refer to the following example:

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the *Connectors* tile.
2. On the Connector List page, choose the *Connector Catalog* tab.
3. Search for 'Pick List Value Upload' connector, version 'API-A-V1.0', and then click the connector name hyperlink.
4. On the connector Integration page in the upper right, choose *Enable*.

The Set Up Connector page opens the *Enable* step in the setup wizard.

5. Use the following instructions in the setup wizard to configure the connector and choose *Next* to advance through the setup pages.
 1. In the *Connector Name* field, enter a custom name, for example `Pick List Value Upload - variant 1`.
 2. In the *Upload Data Format* option, choose `JSON`.
 3. In the *Pre-Processor* list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`, as shown next:

Pre-Processors (optional)

1. insite.partner.preprocessor.FileHeaderPreProcessor.preProcess

2. insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess

[+ Add Pre-Processor](#)

4. Choose *Next*.
5. In the *Connectivity* step under *Transfer Method*, choose *Subscription*.
6. In the *Configure End Point* step, choose *Create New* and continue to follow the instructions in the wizard.
 1. In the *ID* field, enter the end point ID, for example, `MDI_Product_Company Code` (where `_Company Code` is an underscore (`_`) followed by your company code).
 2. In the *Category* list, choose `webservice`.
 3. Under *Web Service Details*, enter the required Web Service URL. Username and password are optional.
 4. At the bottom of the page, click [+ Add Additional Fields](#) and add the following fields:

Note

Details under the *Name* column should be the same as noted in the following table.

End Point Additional Fields

Name	value_text
encryptpayload	no

Field	Value
Parameters	Enter <code>one_mds_product</code> (required value).
Subscriber	Enter <code>insite.subscription.OneMasterDataWebserviceUploadSubscription</code> (required value).
Notification Email	Email to notify on status. Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that you can multiple values in the boxes using <code>CTRL-</code> or <code>SHIFT-</code> clicks. Set the subscription to run once daily.
Time Zone	Choose a value where the subscription runs.
Status	Choose <code>Enabled</code> .

Refer to the following image:

Create/Maintain Subscription

You can select an endpoint from the list. Schedule the pickup at the desired time. Emails can be distributed upon success or failure. If there are no endpoints configured, you can create new endpoint from Maintain Endpoint tile.

Type*

Upload Download

Connector*

Product (API-A-V1.0) ▼

End Point*

DLAB_MDI_PRODUCT (webservice) ▼

Subscription Class (optional)

insite.subscription.WebserviceUploadSubscription

Parameters (optional)

one mds product

Subscriber (optional)

Administrator, Fieldglass (DLAB@fg_help) ▼

Notification Email (optional)

Delivery Time*

Minute* Hour* Date* Month* Day*

1 × ▼ 1 × ▼ 2 × ▼ January × ▼ Monday × ▼

i At minute 1 past hour 1 on day-of-month 2 and on Monday in January

Time Zone*

UTC ▼

6. To save the subscription, choose *Save*.

2.11 Product Group

Replicate product group master data inbound to SAP Fieldglass from SAP S/4HANA Cloud or SAP S/4HANA.

Prerequisites

You must create a pick list using the following configuration:

Details

Field	Value
Name	Product Group
Pick List Type	Integration Segmented Pick List
Number of Segments	6
Delimiter	;
Auto Fill first segment value with a native field value	No
Suppress form document from page	No

Segment Headers

Segment Number	Segment Name
1	id
2	name
3	description

When configuring a Product Group pick list, refer to the following:

Integration

Integration
Edit
Disable
Actions ▼

Connector Name	Status	Activity	Last Run Date (GMT)
Pick List Value Upload	On	Upload	2024-07-30 01:02:01.29

Details
Upload Column Transform
Connectivity
Integration Audit Trail
Modification Log

Details

Given Connector Name	Pick List Value Upload
Version	API-A-V1.0
Description	API-A Version of Pick List Upload
Custom Description	
Upload Record Limit	10000
Connector Specification	View Guide

Client Internal Integration

Integration System	SAP
Transfer Method	SOAP

Setup

Delimiter	,
Asynchronous?	No
Archive Data?	Yes
Enable connector to be used through user interface?	Yes
Duplicate File Check	No
Sensitive Data	No
Encoding	ISO-8859-1
Pre-Processors	FileHeaderPreProcessor
Email Recipients On Success	fg_qatest8@sap.com
Email Recipients On Failure	fg_qatest8@sap.com

Connector Header 3 Items Found Rows 25 Apply Filters

Header Name	Value
<i>Enter Criteria</i>	<i>Enter Criteria</i>
Number Format	#,##9.99 (Example: 1,234,567.99)
Date Format	MM/DD/YYYY
Comments	

Context

The 'Pick List Value Upload' connector replicates product data.

The connector details are as follows.

Connector Description

Connector Details	Legal Entity Upload	Comments/ Notes
Real Time vs. Batch	Real-Time	
Transfer Method	Web Service	
File Type	JSON	
Version	API-A-V1.0	
Field Layout / Data Mapping	Refer to the upload column transform mapping below.	

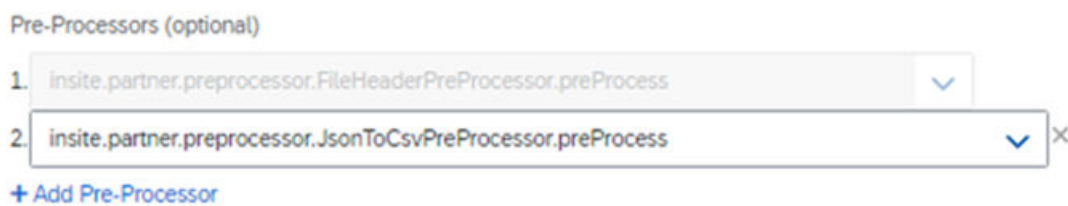
When configuring the Pick List Value Upload, refer to the following example:

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the *Connectors* tile.
2. On the Connector List page, choose the *Connector Catalog* tab.
3. Search for 'Pick List Value Upload' connector, version 'API-A-V1.0', and then click the connector name hyperlink.
4. On the connector Integration page in the upper right, choose *Enable*.

The Set Up Connector page opens the *Enable* step in the setup wizard.

5. Use the following instructions in the setup wizard to configure the connector, choosing *Next* to advance through the setup pages.
 1. In the *Connector Name* field, enter a custom name, for example `Pick List Value Upload - variant 1`.
 2. In the *Upload Data Format* option, choose `JSON`.
 3. In the *Pre-Processor* list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`, as shown next:



4. Choose *Next*.
5. In the *Connectivity* step under *Transfer Method*, choose *Subscription*.
6. In the *Configure End Point* step, choose *Create New* and continue to follow the instructions in the wizard.
 1. In the *ID* field, enter the end point ID, for example, `MDI_Product_Company Code` (where `_Company Code` is an underscore (`_`) followed by your company code).
 2. In the *Category* list, choose `webservice`.
 3. Under *Web Service Details*, enter the required Web Service URL. Username and password are optional.

- At the bottom of the page, click [+ Add Additional Fields](#) and add the following fields:

Note

Details under the *Name* column should be the same as noted in the following table.

End Point Additional Fields

Name	value_text
encryptpayload	no
pgpsignverify	none
__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWeb-serviceTransporter
apiVersion	v0/odm/5.0.0
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	50
serviceEndPoint	The end point you created in the previous step.
since	For a new setup, use initial. The system will generate this value after it's created.
tokenIssuerEndpoint	https://<system URL>/oauth/token

Refer to the following image for the additional field setup:

Additional Fields

__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter
apiVersion	v0/odm/5.0.0
clientId	
clientSecret	
limitHint	50
serviceEndPoint	
since	initial
tokenIssuerEndpoint	https:// /oauth/token


- To create the end point, choose [Submit](#).
- Choose [Next](#).
- In the [Setup Subscription](#) step, choose [Create New](#).
- In the [Setup Subscription](#) dialog box, follow the instructions in the setup wizard to create the subscription with the following details.

Subscription Details

Field	Value
Type	Upload
Connector	Choose the connector name that you created in step 5 above.
End Point	Choose the new end point that you created.
Parameters	Enter <code>one_mds_product_group</code> (required value).
Subscriber	Enter <code>insite.subscription.OneMasterDataWebserviceUploadSubscription</code> (required value).
Notification Email	Email to notify on status. Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that you can multiple values in the boxes using <code>CTRL-</code> or <code>SHIFT-</code> clicks. Set the subscription to run once daily.
Time Zone	Choose a value where the subscription runs.
Status	Choose <code>Enabled</code> .

Refer to the following image:

Create/Maintain Subscription



You can select an endpoint from the list. Schedule the pickup at the desired time. Emails can be distributed upon success or failure. If there are no endpoints configured, you can create new endpoint from Maintain Endpoint tile.

Type*

Upload Download

Connector*

Product Group (API-A-V1.0) ▼

End Point*

DLAB_MDI_PRODUCT_GROUP (webservice) ▼

Subscription Class (optional)

insite.subscription.WebserviceUploadSubscription

Parameters (optional)

one mds product group

Subscriber (optional)

Administrator, Fieldglass (DLAB@fg_help) ▼

Notification Email (optional)

Delivery Time*

Minute* Hour* Date* Month* Day*

1 x ▼ 1 x ▼ 2 x ▼ January x ▼ Monday x ▼

At minute 1 past hour 1 on day-of-month 2 and on Monday in January

Time Zone*

UTC ▼

6. To save the subscription, choose [Save](#).

3 SAP SuccessFactors Master Data Replication (Inbound)

Describes how to use SAP Fieldglass Configuration Manager to enable and configure connectors for replicating master data inbound from SAP SuccessFactors using SAP Master Data Integration service.

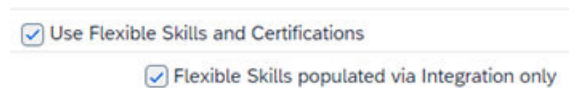
The master data objects are:

3.1 Capabilities

Replicate capabilities master data inbound to SAP Fieldglass from SAP SuccessFactors.

Prerequisites

Before you can configure and use the Capabilities integration from SAP SuccessFactors, the following configurations must be enabled in the buyer company. For assistance with this task, contact your SAP Fieldglass representative.



Context

The tasks associated with setting up capabilities replication include enabling connectors, creating new end points and subscriptions, and running the subscriptions, for the following entities:

WorkforceCapabilityProficiencyScale = Qualification

WorkforceCapabilityProficiencyScale = Flexible Assessment Scale

WorkforceCapabilityCatalog = Qualification Category

Procedure

1. On the Configuration Manager Self-Service Dashboard, choose the **Connectors** tile.

2. On the Connector List page, choose the **Connector Catalog** tab.
3. **Capability Catalog Replication:**
 1. Search for the 'Qualification Category Upload' connector, version 'API-A-V1.0', and then click the connector name hyperlink.
 2. Choose *Enable*.
 3. On the connector Integration page, choose *Edit* (or if the connector is disabled, choose *Enable* to activate it).
The Connector Setup page opens in the setup wizard.
 4. Follow the instructions below and in the setup wizard to configure the connector, choosing *Next* to advance through the setup pages.
 1. In the *Connector Name* field, enter a custom name, for example MDI Qualification Category Upload.
 2. In the *Upload Data Format* option, choose JSON.
 3. In the *Pre-Processor* list, choose `insite.partner.preprocessor.JsonToCsvPreProcessor.preProcess`.
 5. Choose Next until the *Connectivity* step displays.
 6. In the *Connectivity* step under *Transfer Method*, choose Subscription.
 7. In the *Configure End Point* step, choose *Create New* and add an end point from the MDI service key that has been shared by an admin:
 1. In the *ID* field, enter the end point ID, for example, MDI_WorkforceCapabilityCatalog.
 2. In the *Category* list, choose *WebService*.
 3. Under *Web Service Details*, enter the required *Web Service URL*. *Username* and *Password* are optional.
 4. On the bottom of the page, click *+ Add Additional Fields* and add the following fields:

Note

Enter the details under the *Name* column the same as noted in the table.

+ Add Additional Fields

Name	value_text
__webservice_transport_class	insite.onemasterdata.transport.OneMasterDataWeb-serviceTransporter
apiVersion	v0/odm/5.0.0
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	5
serviceEndPoint	The end point you created in the previous step.
since	For a new setup, use initial. The system will generate this value after it's created.
tokenIssuerEndpoint	https://<system URL>/oauth/token

Refer to the following image:

End Point
one_mds_capability_catalog

End Point

Status: Active Category: webservice Company: (CRPA) - Charter Airlines

Details Modification Log

Description	Name	value_text	value_type	value_binary	value_func
__webservice_transport_cla	__webservice_transport_cla	insite.onemasterdata.transport.OneMasterDataWebserviceTransporter	value_text		
apiVersion	apiVersion	v1.0.0	value_text		
clientId	clientId	6b3012c77c-728e-4c25-802a-47d7d6d8786d78303e9e9e9e9e9e9e9e9e	value_text		
clientSecret	clientSecret	22b4876-4d5e-475e-4381-4d4d3d78c0-78303e9e9e9e9e9e9e9e9e9e9e9e9e9e9e	value_text		
limitHint	limitHint	5	value_text		
serviceEndPoint	serviceEndPoint	https://insite.onemasterdata.transport.onemasterdata.com	value_text		
since	since	BA2u53u1033u7163u368u2123u440u448u818u387u396u2097u412u413u388u1111u4057u783	value_text		
tokenIssuerEndPoint	tokenIssuerEndPoint	https://insite.onemasterdata.transport.onemasterdata.com/oauth/token	value_text		

- To create the end point, choose *Submit*.
- Choose *Next*.
- In the *Setup Subscription* step, choose *Create New*.
- In the *Setup Subscription* dialog box, follow the instructions in the setup wizard to create with the following details:

Subscription Details

Field	Value
Type	Upload
Connector	MDI Qualification Category Upload
End Point	MDI_WorkforceCapabilityCatalog
Parameters	one_mds_capability_catalog (required value)
Subscriber	insite.subscription.OneMasterDataWebserviceUploadSubscription
Notification Email	Optional field.
Delivery Time	Series of selections that set the scheduling for the subscription. Note that multiple values can be selected in the boxes using CTRL or SHIFT clicks. Set this subscription to run once daily.
Time Zone	Choose a value for where the subscription runs.
Status	Choose Enabled .

- To save the subscription, choose *Save*.
- Repeat steps 3–4 for the 'Qualification' and 'Flexible Assessment Scale' entities, using the following values:

Additional Entity Setup

Entity	Original Connector Name	New Connector Name	End Point	Subscription
WorkforceCapability (Qualification)	Qualification Category Upload (original)	MDI Qualification Category Upload (new)	MDI_WorkforceCapability	MDI Qualification Upload_Subscription

Entity	Original Connector Name	New Connector Name	End Point	Subscription
Flexible Assessment Scale	Flexible Assessment Scale Upload (original)	MDI Flexible Assessment Scale Upload (new)	MDI_WorkforceCapabilityProficiencyScale	MDI_WorkforceCapabilityProficiencyScale

6. Choose *Exit Wizard*.
7. To test the uploads, run the connectors in the following order:
 1. Scale
 2. Category
 3. Capabilities

3.2 Job Classification

Replicate job classification master data inbound to SAP Fieldglass from SAP SuccessFactors.

Context

Job classification data is maintained in SAP SuccessFactors Employee Central and uploaded to the SAP Master Data service for business partners, from which SAP Fieldglass or other applications can retrieve them for their own purposes (downstream integration).

Job classifications contain details of a specific job, such as job code, job title, job function, job level, pay grade, and so forth.

SAP SuccessFactors is the source master for job classification maintenance.

Follow the same instructions as other entities by creating an endpoint and subscription.

Maintain correct end point details and subscription details along with the argument parameter in the subscription as `one_mds_jc`.

Column transforms aren't required.

3.3 Organizational Unit

Replicate organizational unit master data inbound to SAP Fieldglass from SAP SuccessFactors.

Context

Organizational unit data is maintained in SAP SuccessFactors Employee Central and uploaded to the SAP Master Data service for business partners, from which SAP Fieldglass or other applications can retrieve them for their own purposes (downstream integration).

SAP SuccessFactors is the source master for maintaining organizational units.

Note

This integration has minimal capabilities. You may receive a limited data set via MDI that requires setting some default values on the connector. An example would be Legal Entity Association which, if not provided in the integration, would lead to a Business Unit not fully formed in SAP Fieldglass.

To support integration scenarios where organizational unit data from SAP SuccessFactors is unavailable, SAP Fieldglass allows Purchase Organizations to be maintained as Business Units. This ensures that external workforce processes remain operational even when organizational unit data from SAP SuccessFactors cannot be accessed. To do this you must replace the Purchase Unit Upload Connector with the Business Unit Upload Connector.

Procedure

Follow the same steps as in [Cost Center \[page 20\]](#) using a different Business Unit Upload variant.

3.4 Location

Replicate location master data inbound to SAP Fieldglass from SAP SuccessFactors

Context

Location data is maintained in SAP SuccessFactors Employee Central and uploaded to the SAP Master Data service for business partners, from which SAP Fieldglass or other applications can retrieve them for their own purposes (downstream integration).

Location contains details of a specific location, such as name, description, and address of the location.

SAP SuccessFactors is the source master for location maintenance.

Note

SAP SuccessFactors provides workforce location data through Master Data Integration using the Organizational Data Model format. Since the Organizational Data Model payload doesn't include site-level details, you must enable the *Use multiple locations* company configuration to support this integration.

To enable this company configuration, logon to the Self-Service Dashboard and go to [Company Configuration](#) > [Edit](#) > [Enable the sub-configurations for Use multiple locations](#).

Follow the same instructions as other entities by creating an endpoint and subscription.

Maintain correct end point details and subscription details along with the argument parameter in the subscription as `one_mds_location`.

Column transforms aren't required.

4 SAP Fieldglass Master Data Replication (Outbound)

Describes how to use SAP Fieldglass Configuration Manager to enable and configure the connector for replicating external worker data from SAP Fieldglass using SAP Master Data Integration service.

4.1 External Worker

Replicate external worker master data outbound from SAP Fieldglass to SAP S/4HANA and SAP SuccessFactors.

Context

SAP Fieldglass is the source of External Worker (Workforce Person) in SAP Master Data Integration. The replication process uploads the data to make it ready for consumption by other applications.

The high-level data flow is:

1. Worker data in SAP Fieldglass is changed.
2. A payload containing the worker data is created in JSON format according to the DMA of Workforce Person and posted via the REST service to the central SAP Master Data Integration service running on SAP BTP.
3. Once the service processes the posted document, the key mapping is updated in SAP Fieldglass.

Procedure

1. To create the payloads, on the Configuration Manager Self-Service Dashboard, choose the **Payloads** tile.
 1. On the Payload List page, choose **New**.
 2. On the Add Payload page, create the Worker payload with the following values:

Payload Properties

Property	Value
Payload Name	Worker
Description	Worker payload for MDI

Property	Value
Module	Worker
Linked Modules	workerPerson workOrders
Linked Modules	N/A
Format	JSON
Encrypt Flag	false

- Choose [Add](#).
- Repeat step 1 to add a WorkOrder payload with the following values:

Payload Properties

Property	Value
Payload Name	WorkOrder
Description	Work Order payload for MDI
Module	Work Order Revision
Linked Modules	Worker Creator
Format	JSON
Encrypt Flag	false

- To create the end point, on the Self-Service Dashboard, choose the [End Points](#) tile.
 - On the End Point List page, choose [Add](#).
 - On the Create End Point page, enter the following values:
 - ID = MDI_WORKFORCE_CHANGE_API
 - Category = publishsubscribe
 - Under [Additional Fields](#), click [+ Additional Fields](#) to add each of the following fields:

Additional Fields

Name	Value
__webservice_transport_class	insite.webservices.onemasterdata.OneMasterDataWeb-serviceTransporter

Name	Value
apiVersion	v1/odm/3.1.0 To use v1, there's a requisite to enable consolidated worker. For more information, see Consolidated Worker Setup .
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	100
serviceEndPoint	The end point you created in the previous step.
since	For a new setup, use initial. The system will generate this value after it's created.
tokenIssuerEndpoint	https://<system url>/oauth/token

Refer to the following image:

Additional Fields

__webservice_transport_class	insite.webservices.onemasterdata.OneMasterDataWebserviceTransporter
apiVersion	v0/odm/3.1.0
clientId	<client ID value>
clientSecret	<client secret value>
limitHint	100
serviceEndPoint	<service end point>
since	<since value>
tokenIssuerEndpoint	https://<system url>/oauth/token

4. Choose *Submit*.
3. To create the Publish Subscribe entries, on the Configuration Manager Self-Service Dashboard, choose the **App Activity Subscriptions** tile.
 1. On the Publish / Subscribe list page, choose *New*.
 2. On the Add Publish / Subscribe page, add a Worker entry with the following values:

Publish / Subscribe Properties

Property	Value
Payload Name	Worker

Property	Value
End Point	MDI_WORKFORCE_CHANGE_API
Transporter Class	Optional property.
Email	Optional property.
Notify at Retry	Optional property.
Activities	Change Primary Cost Center Change Supervisor Close Cost Allocation Create Edit Security Information Edit Worker Dates Edit Worker Information Edit Worker Name Reopen Started

3. Choose *Add*.
4. Repeat step 2 to add a WorkOrder entry with the following values:

Publish / Subscribe Properties

Property	Value
Payload Name	WorkOrder
End Point	MDI_WORKFORCE_CHANGE_API
Transporter Class	Optional property.
Email	Optional property.
Notify at Retry	Optional property.
Activities	Accept

5. Choose *Add*.
4. To run the Work Order or Work Order Revision push, create a Worker or Work Order revision and verify that the entry is created in `onemasterdata_worker_changengetoken`.

5 Appendix: API Versions

The following table lists the latest API version for each master data entity.

The integration requires a specific value in the 'apiVersion' parameter for each end point. Using an invalid API version can cause MDI to SAP Fieldglass integrations to fail.

As new API versions and/or master data entities become available, refer to this page for the latest updates.

API Versions per Master Data Entity



MDI Entity	API Version
CostCenter	v0/odm/3.7.0
WorkforcePerson - External	v1/odm/3.5.0
ProjectControllingObject	v0/odm/3.0.0
SalesControllingObject	v0/odm/4.0.0
WorkforceCapability	v0/odm/5.0.0
WorkforceCapabilityCatalog	v0/odm/5.0.0
WorkforceCapabilityProficiencyScale	v0/odm/5.0.0
ExchangeRate	v0/odm/4.0.0
OrganizationalUnit	v0/odm/2.0.0
JobClassification	v0/odm/2.0.0
SymbolicGeneralLedgerAccount	v0/odm/6.1.0
CompanyCode	v0/odm/4.0.0
Plant	v0/odm/4.0.0
PurchasingOrganization	v0/odm/4.0.0
BusinessPartner - Supplier	v0/odm/2.1.1 - Supplier v0/odm/2.2.0 - Relationship

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Material Number: 20220830

