



PUBLIC

SAP Data Hub Integration with SAP Fieldglass

Example

Content Usage Guide

TABLE OF CONTENTS

INCLUDED CONTENT	3
DOWNLOAD AND INSTALLATION	3
PREREQUISITES FOR RUNNING THE EXAMPLES	3
SAP Data Hub Cluster	3
Create Connections	3
VORA Connection:	3
Fieldglass Connection:	4
RUN THE EXAMPLES	4

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THE BEST RUN



Content Usage Guide for the SAP Data Hub solution which provides multiple examples for loading data from SAP Fieldglass via the SAP Cloud Data Integration API using SAP Data Hub Pipelines.

Before you start using the examples, please make sure that you are familiar with the basic concepts of SAP Data Hub Modeling such Pipelines (Graphs), Operators and Dockerfiles. For more information, you may refer to the Modeling Guide for SAP Data Hub that is available on the SAP Help Portal (https://help.sap.com/viewer/p/SAP_DATA_HUB).

INCLUDED CONTENT

The SAP Data Hub Solution includes the following pipelines (graphs) :

- `com.sap.example.cdi.workflow_fieldglass_vora_all`:

This example workload triggers the execution of multiple pipelines that load data from SAP Fieldglass to SAP Vora via the SAP Cloud Data Integration API.

- `com.sap.example.cdi.fieldglass_vora_*`:

These example graphs load different entity sets from SAP Fieldglass to SAP Vora via the SAP Cloud Data Integration API:

- Latest Statement of Work (SOWs)
- Statement of Work (SOW) Line Items
- Statement of Work (SOW) Revisions
- Time Sheets
- Worker Orders

The data is fetched in packages from SAP Fieldglass via a RESTful API (*SAP Cloud Data Integration API*).

The fetched data is first transformed from CSV into JSON and then sensitive information is masked using a **Data Mask** Operator before it is ingested into a DISK-based Vora Streaming table.

By default the DB schema of the Vora Connection is used which is the *tenantuser*.

Delta is currently not supported, but it is planned in future releases.

DOWNLOAD AND INSTALLATION

After downloading the SAP Data Hub Solution attached to this package, you can import the solution archive into your SAP Data Hub user workspace via the SAP Data Hub System Management Application → Files → Import Solution.

PREREQUISITES FOR RUNNING THE EXAMPLES

SAP Data Hub Cluster

The minimum SAP Data Hub release for running the examples is SAP Data Hub **2.4 Patch 01**.

Create Connections

VORA Connection:

Create a connection of type **VORA** and with id **VORA_INTERNAL** via the SAP Data Hub Connection Management Application, for example:

- ID: VORA_INTERNAL
- Connection Type: VORA
- Host: vora-tx-coordinator
- Port: 10002
- vSystem Tenant: default
- Use TLS: false
- User: ***
- Password: ***

Fieldglass Connection:

Create a connection of type **CLOUD_DATA_INTEGRATION** and with id **FIELDGLASS** via the SAP Data Hub Connection Management Application, for example:

- Id: FIELDGLASS
- Connection Type: CLOUD_DATA_INTEGRATION
- Host: sapx.fgvms.com
- Port: 443
- servicePath: /api/data_hub
- Protocol HTTPS
- Authentication: OAuth2
- Require CSRF Header: false
- OAuth2 GrantType: client_credentials
- OAuth2 Token Endpoint: <https://sapx.fgvms.com:443/api/oauth2/v2.0/token>
- OAuth2 Token Request Content Type: url_encoded
- OAuth2 User: ***
- OAuth2 Password: ***

Please contact your Fieldglass support to get your access details for the Cloud Data Integration data provider.

RUN THE EXAMPLES

To run the examples after importing the SAP Data Hub solution, open the SAP Data Hub Modeler and navigate to the Repository package *com.sap.example.cdi*. In this package you will find a couple of Pipelines as mentioned in the *Included Content* section. You can run these pipelines after maintaining the connections described in the *Prerequisites* section.