Configuration Guide - Value Mapping Extraction via CSV - Configuration Guide

VM to CSV _ API

This configuration guide ensures a streamlined process for extracting value mappings from SAP Cloud Integration, converting them to CSV format, and securely storing them in a **Data Store within SAP Integration Suite**.

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SAP BTP

Table of contents

1. Prerequisites

Before proceeding with the configuration, ensure the following:

1. Access to SAP Cloud Integration Suite with appropriate permissions.
2. Required Value Mappings are set up and available.
3. Cloud Connector is configured to allow secure communication (if applicable).
4. Backend system is accessible for data retrieval and storage.

2. Documentation

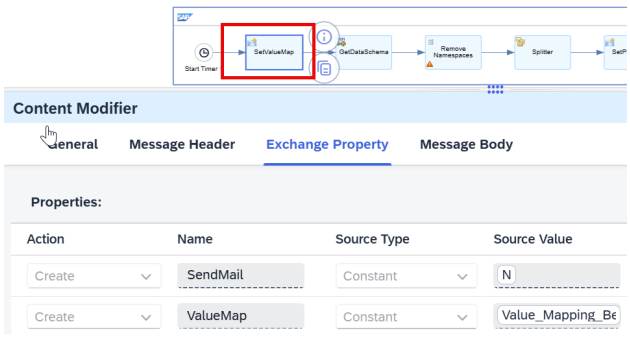
This integration flow (iFlow) is designed to extract value mapping data from SAP Cloud Integration and convert it into a CSV format for further processing. The process involves:

1. Fetching value mapping data using API calls.
2. Processing and transforming the data.
3. Converting XML data to CSV format.
4. Storing the final output in a Data Store within SAP Integration Suite

iFlow Overview

Below is a high-level overview of the iFlow:

1. **Start Timer Event**: Triggers the process at scheduled intervals.
2. **SetValueMap**: Set configurable/externalized exchange properties:



   a. SendMail: N/Y, defining whether data is sent via Mail
   b. ValueMap: Configure ValueMapping to be extracted
3. **GetDataSchema & GetValueMapping**: Fetches data from SAP Cloud Integration.
4. **Remove Namespaces & Splitter**: Cleans and structures the data.
5. **XML to CSV Converter**: Converts extracted data into CSV format.
6. **Write to Data Store:** Saves the CSV file into a Data Store in SAP Integration Suite

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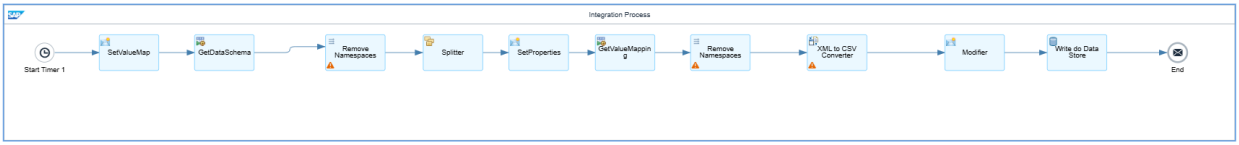
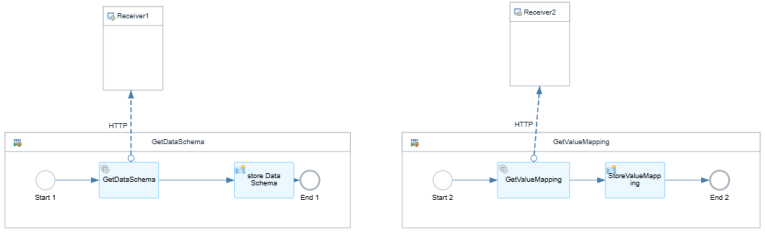
Screenshot of iFlow





3. Configuration Steps on SAP Cloud Integration

3.1 Configure Sender Adapter

1. The sender adapter is responsible for initiating the value mapping extraction.
2. Navigate to **SAP Cloud Integration** > **Integration Flows**.
3. Add a **Timer Event** to trigger the process periodically.
4. If needed, configure an **HTTP Sender Adapter** to manually trigger the process.

3.2 Configure Receiver Adapter

Since the extracted CSV is stored in SAP Integration Suite's Data Store, follow these steps:

1. Use the **Write function** to store the CSV file in the Data Store.
2. Define the **Data Store Name** (e.g., ValueMapping).
3. Use a dynamic Entry ID to uniquely identify stored files (e.g., ${property.DS_EntryID}).
4. Configure retention policies:
    - **Set Retention Threshold for Alerting** (e.g., 2 days).
    - **Set Expiration Period** (e.g., 10 days).
5. Enable **Overwrite Existing Message** if needed.
6. Ensure the message storage settings align with business requirements.

3.3 Configure Cloud Connector (If applicable)

1. To enable secure communication with an On-Premise system:
2. Navigate to **Cloud Connector Administration**.
3. Configure the **subaccount** and ensure connectivity is established.
4. Map the **internal backend system** to the Cloud Connector.
5. Ensure that the necessary **allowlist rules** are set to enable API access.

3.4 Configure Backend System

1. If an On-Premise system is involved:
2. Verify that the system is accessible from SAP Cloud Integration.
3. Ensure that the required **API endpoints** are exposed for data retrieval.
4. Set up appropriate **authentication mechanisms**.
5. Configure the system to accept CSV-based value mapping updates if needed.