

Building block Configuration Guide

SF EC Job Information Delta Load

June 2022

English

CUSTOMER

SF EC Job Information Delta Load

Document History

Revision	Date	Author
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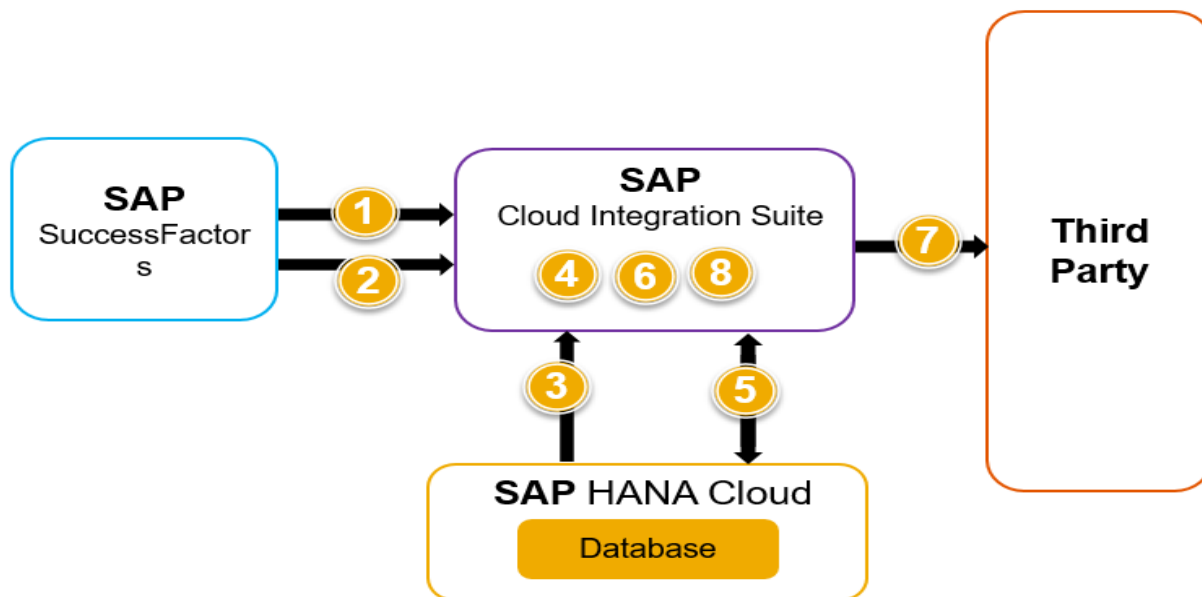
1 Prerequisites

This package is aimed to sync only EmpJob delta changes (create, update and delete) via SAP SuccessFactors ODATA API([lastModifiedDateTime](#) and [\\$filter](#) | [SAP Help Portal](#))

- Unchanged history records should not be returned
- Change of end date should be returned
- Deleted records should be recognized
- Each record should have change flag such as U(Updated), C(Created) and D(Deleted)
- For effective communication with Third Party systems, unique key of each historical record requires
- Each record should have a unique-key(Technical key) which is design to generate by HANA Cloud

This document provides information about configuration steps for iflow SF EC Job Information Delta Load

Delta Load



HANA Cloud Table Structure

Table name : EmpJob

Key Field (selectable/filterable)	Key Field (selectable/filterable)	Key Field (selectable/filterable)	Key Field (selectable/filterable)	Non-Key Field (selectable/filterable)	Non-Key Field(selectable)
<u>userId</u>	<u>startDate</u>	<u>seqNumber</u>	<u>uniquekey</u>	<u>cudKey</u>	Record

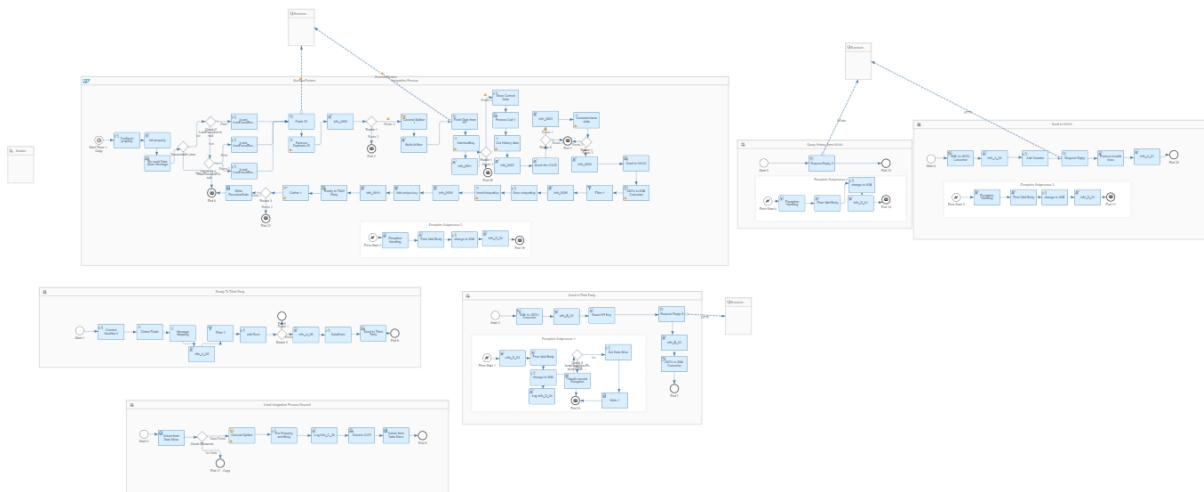
HANA Interface should be able to :

- return all records filtered by userId
- create or update records with **POST** data
- generate uniquekey

2 Documentation

Steps:

1. Fetch userIDs from SF
2. Query SF Current Data with userIDs
3. Fetch History Data from HANA DB
4. Check C/U/D logic
5. Save Data to HANA DB and response unique-key
6. Combine the unique-key with data
7. Transfer Data to Third Party
8. Exception steps: HANA exception(not change the lastModifiedDate)/Third Party exception(save error payload and resend payload)



3 Configuration steps on SAP Cloud Integration

Try to define specific section, such as:

- Receiver Configuration
- Sender Configuration
- Cloud Connector Configuration
- Sender System Configuration
- Receiver System Configuration

If there are any backend system configuration needed, please describe them here shortly.

3.1 <Configure Sender Adapter>

<Describe the configuration steps for the Sender Adapter>

3.2 <Configure Receiver Adapter>

Configure the HANA Cloud HTTP Adapter for Save Data

Configure "SF EC Job Information Delta Load"

Timer

Receiver

More

Connection

Receiver:

Receiver_HANACloud

▼

Adapter Type:

HTTP

▼

Address:

<HANA Cloud API Address>/odata/v4/SaveEmpJobMultiProc

Authentication:

None

▼

Timeout (in ms):

60000

Configure the HANA Cloud ODATA V4 Adapter for Query Data

Configure "SF EC Job Information Delta Load"

Timer **Receiver** More

Connection	Receiver:	Receiver_HANACloud	▼
	Adapter Type:	HCIOData	▼
	Address:	<HANA Cloud API Address>/odata/v4	
	Authentication:	None	▼
	Timeout (in min):	10	

Configure the SF SuccessFactors Adapter for Query userId/Data

Configure "SF EC Job Information Delta Load"

Timer **Receiver** More

Connection	Receiver:	Receiver_SF	▼
	Adapter Type:	SuccessFactors	▼
	Address:	SuccessFactors	
	Authentication:	OAuth2 SAML Bearer Assertion	▼
Processing	Credential Name:	<SuccessFactors Credential Name>	
	Timeout (in min):	60	

Configure "SF EC Job Information Delta Load"

Timer **Receiver** More

Connection	Receiver:	Receiver_SF	▼
	Adapter Type:	SuccessFactors	▼
	Address:	<SuccessFactors ODATA API>	Select
	Authentication:	OAuth2 SAML Bearer Assertion	▼
Processing	Credential Name:	<SuccessFactors Credential Name>	
	Timeout (in min):	60	

Configure the Third Party HTTP Adapter for Receive Data

Configure "SF EC Job Information Delta Load"

Timer **Receiver** More

Receiver: Receiver_ThirdParty

Adapter Type: HTTP

Connection

Address: <Third Party API Address>

Timeout (in ms): 60000

3.3 <Configure Cloud Connector>

<Describe the configuration steps on the Cloud Connector to connect to OnPremise System >

3.4 <Configure Backend system>

Create the Table in HANA Cloud

Implement the related API to save data in HANA Cloud table

Insert link :

<https://<HANA Cloud API host address>/odata/v4/SaveEmpJobMultiProc>

Implement the related API to query data in HANA Cloud table

Query link :

<https://<HANA Cloud API host address>/odata/v4/EmpJob>

3.5 <Configure More >

Configure "SF EC Job Information Delta Load"

Timer Receiver **More**

Type: All Parameters

EnablePayloadLogging: true

GCPApiKey: <Third Party ApiKey>

GroupSize: <Splitter Step Group Size>

LastExecutionDate: <LastExecutionDate format YYYY-MM-DD>

Logging Level(INFO):

Number of Concurrent Proces... : <Splitter Step Number of Concurrent Process>

SplitTimeout: <Splitter Step Timeout>

