

Building block Configuration Guide
SF EC Job Information Special Deletion

June 2022

English

CUSTOMER

SF EC Job Information Special Deletion

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1 Prerequisites

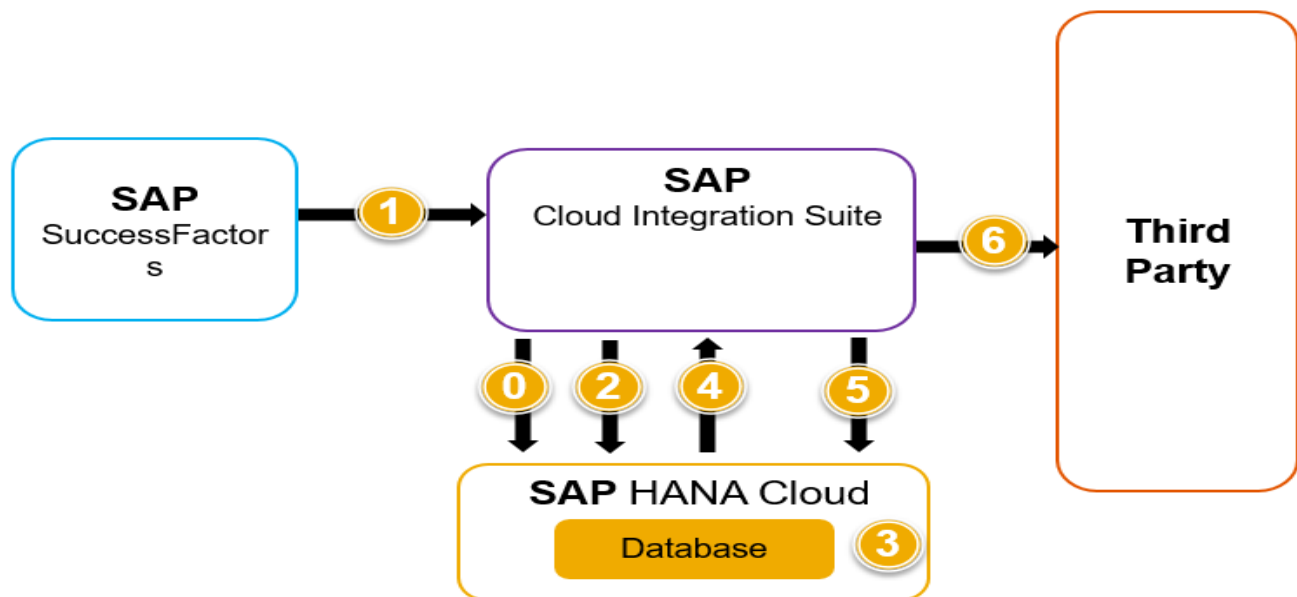
This package is aimed to sync only EmpJob delta changes (create, update and delete) via SAP SuccessFactors ODATA API([lastModifiedDateTime](#) and [\\$filter](#) | [SAP Help Portal](#))

- 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 iflows SF EC Job Information Special Deletion Compare and SF EC Job Information Special Deletion Send

Special deletion scenario: If all records of the employee were deleted, no record is returned in the response

Special Deletion



HANA Cloud Table Structure

Intermediate table with uniquekey(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

Key table (Table name : EmpJobKey)

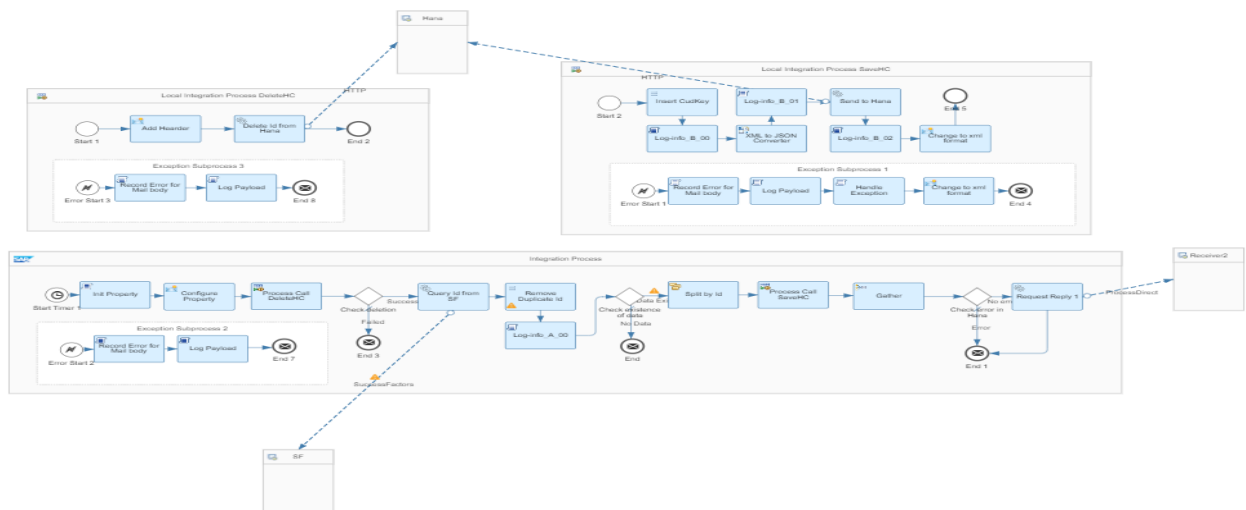
Key Field (selectable/fil terable)	Non-Key Field (selectable/fil terable)
<u>userId</u>	<u>cusKey</u>

2 Documentation

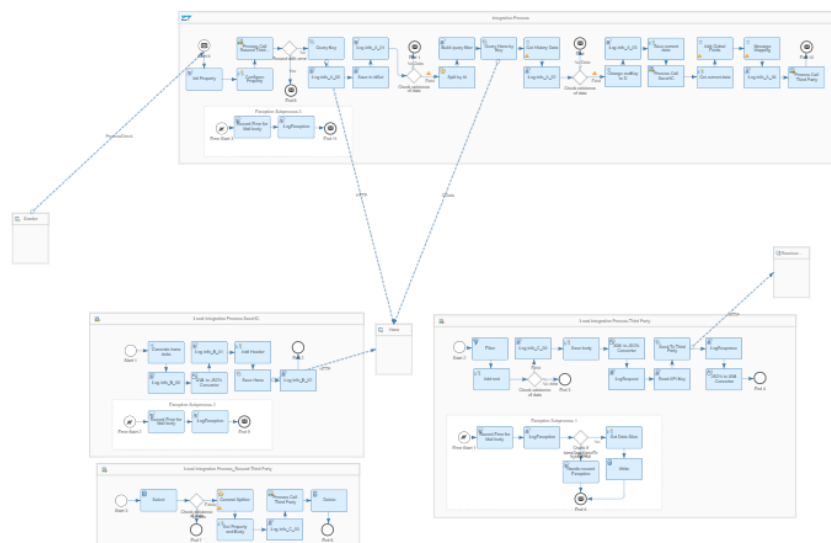
Steps:

0. Empty HANA Cloud key table
1. Get the keys(userId) from SF EC
2. Send the keys to key table
3. HANA cloud compare the keys between Intermediate table and key table, then mark the CUD flag with D for Deleted key in key table
4. Query the D keys from Key table
5. Update the intermediate table
6. Transfer Data to Third Party

Setp: 0,1,2



Setp:3,4,5,6



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 iflow " SF EC Job Information Special Deletion Compare"

Configure the SF SuccessFactors Adapter for Query userId

Configure "SF EC Job Information Special Deletion Compare"

Timer

Receiver

More

Receiver:

SF

Adapter Type:

SuccessFactors

Connection

Address:

<SuccessFactors ODATA API>

Select

Authentication:

OAuth2 SAML Bearer Assertion

Credential Name:

<SuccessFactors Credential Name>

Processing

Timeout (in min):

10

Configure the HANA Cloud HTTP Adapter for Empty Key table

Configure "SF EC Job Information Special Deletion Compare"

Timer Receiver More

Connection

Receiver:

Hana

▼

Adapter Type:

HTTP

▼

Address:

{{HC Address}}/odata/v4/DeleteEmpJobKeyProc

HC Address:

<HANA Cloud API Address>

Authentication:

None

▼

Timeout (in ms):

600000

Configure the HANA Cloud HTTP Adapter for Save Key into Key table

Configure "SF EC Job Information Special Deletion Compare"

Timer Receiver More

Connection

Receiver:

Hana

▼

Adapter Type:

HTTP

▼

Address:

{{HC Address}}/odata/v4/SaveEmpJobKeyMultiProc

HC Address:

<HANA Cloud API Address>

Authentication:

None

▼

Timeout (in ms):

600000

Configure iflow "SF EC Job Information Special Deletion Send"

Configure the HANA Cloud HTTP Adapter for Save Data

Configure "SF EC Job Information Special Deletion Send"

Receiver More

Connection

Receiver:

Hana

▼

Adapter Type:

HTTP

▼

Address:

{{HC Address}}/odata/v4/SaveEmpJobMultiProc

HC Address:

<HANA Cloud API Address>

Authentication:

None

▼

Timeout (in ms):

60000

Configure the HANA Cloud HTTP Adapter for Query Data

Configure "SF EC Job Information Special Deletion Send"

Receiver

More

Connection

Receiver:

Hana

Adapter Type:

HCIOData

Address:

{{HC Address}}/odata/v4

HC Address:

<HANA Cloud API Address>

Authentication:

None

Timeout (in min):

10

Configure the HANA Cloud HTTP Adapter for Query Comparison Results

Configure "SF EC Job Information Special Deletion Send"

Receiver

More

Connection

Receiver:

Hana

Adapter Type:

HTTP

Address:

{{HC Address}}/odata/v4/CompareEmpJobKeyMultiProc()

HC Address:

<HANA Cloud API Address>

Authentication:

None

Timeout (in ms):

60000

Configure the Third Party HTTP Adapter for Receive Data

Configure "SF EC Job Information Special Deletion Send"

Receiver

More

Connection

Receiver:

Receiver_ThirdParty

Adapter Type:

HTTP

Address:

<Third Party API Address>

Authentication:

None

Timeout (in ms):

600000

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 delete existing keys from key mapping table in HANA Cloud

Delete link :

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

Implement the related API to save all the keys from SF to HANA Cloud

Insert link :

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

Implement the related API to get keys which have to be deleted from HANA Cloud

Query link :

[https://<HANA Cloud API host address>/odata/v4/CompareEmpJobKeyMultiProc\(\)](https://<HANA Cloud API host address>/odata/v4/CompareEmpJobKeyMultiProc())

Implement the related API to save data in HANA Cloud

Insert link :

<https://<HANA Cloud API host address>/odata/v4/SampleMgrV4Service/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 Special Deletion Compare"

Timer	Receiver	More
		Type: <input type="text" value="All Parameters"/>
		EnablePayloadLogging: <input type="text" value="true"/>
		Grouping Size: <input type="text" value="<Splitter Step Group Size>"/>
		loggingLevel: <input type="text"/>
		Number of Concurrent Proces... : <input type="text" value="<Splitter Step Number of Concurrent Process>"/>
		Split Timeout: <input type="text" value="<Splitter Step Timeout>"/>

Configure "SF EC Job Information Special Deletion Send"

Receiver

More

Type: All Parameters

ApiKeyAlias: <Third Party ApiKey>

EnablePayloadLogging:

Grouping Size: <Splitter Step Group Size>

loggingLevel:

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

Split Timeout: <Splitter Step Timeout>