

Step by step guide to configure the HCI iFlows from package “SAP SuccessFactors HCM Suite Talent Management Integration with SAP ERP HCM using OData”

This guide describes the necessary steps to prepare the HCI configuration settings for using the OData iFlows delivered within package:

“SAP SuccessFactors HCM Suite Talent Management Integration with SAP ERP HCM using OData”.

The content from this package provides iFlows for the integration between HCM backend and BizX based on OData protocol. It substitutes selected iFlows from the SOAP based package “SuccessFactors HCM Suite Talent Management integration with SAP ERP HCM” as part of the deprecation of SFAPI(Refer to KBA 2682094).

The following functionality is supported so far:

- User synchronization
- Export of Variable Pay data (Backend→BizX)

The configuration steps from this guide are done on basis of the iFlow “Upsert Employee using the OData API”. The configuration of all the other included iFlows is working in a similar way.

1. Prepare login credentials

You need to add valid login credentials that are stored as “Security Material”. This action can be found under: “Operations View” -> “Manage Security” -> “Security Material” (see screenshot).

SAP Cloud Platform Integration Data Services

Overview

Monitor Message Processing

All Integration Flows Past Hour 0 Messages	All Integration Flows Past Hour 0 Failed Messages	All Integration Flows Past Hour 0 Retry Messages	All Integration Flows Past Hour 0 Completed Messages	+
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Manage Integration Content

All 40 All	All 40 Started	All 0 Error	+
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Manage Security

Security Material 6 Artifacts	Keystore 10 Entries	Certificate-to-User Mappings 0 Artifacts	JDBC Data Sources 0 Artifacts	Connectivity Tests
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Data Services Integration Content Advisor

Filter by Name or Deployment

Add Download Edit Undeploy Refresh Settings

Status	Deployment Name	Deployed On
Deployed	[REDACTED]	Jun 11, 2019, 13:51:46
Deployed	[REDACTED]	Apr 04, 2019, 16:04:35
Deployed	[REDACTED]	Apr 04, 2019, 14:12:28
Deployed	provision	Nov 08, 2018, 10:57:29

Known Hosts (SSH)
OAuth2 Credentials
PGP Public Keyring
PGP Secret Keyring
Secure Parameter
User Credentials

Then provide credential data as shown in the following screenshot.

Add User Credentials

*Name:

Description:

*Type:

*User:

Password:

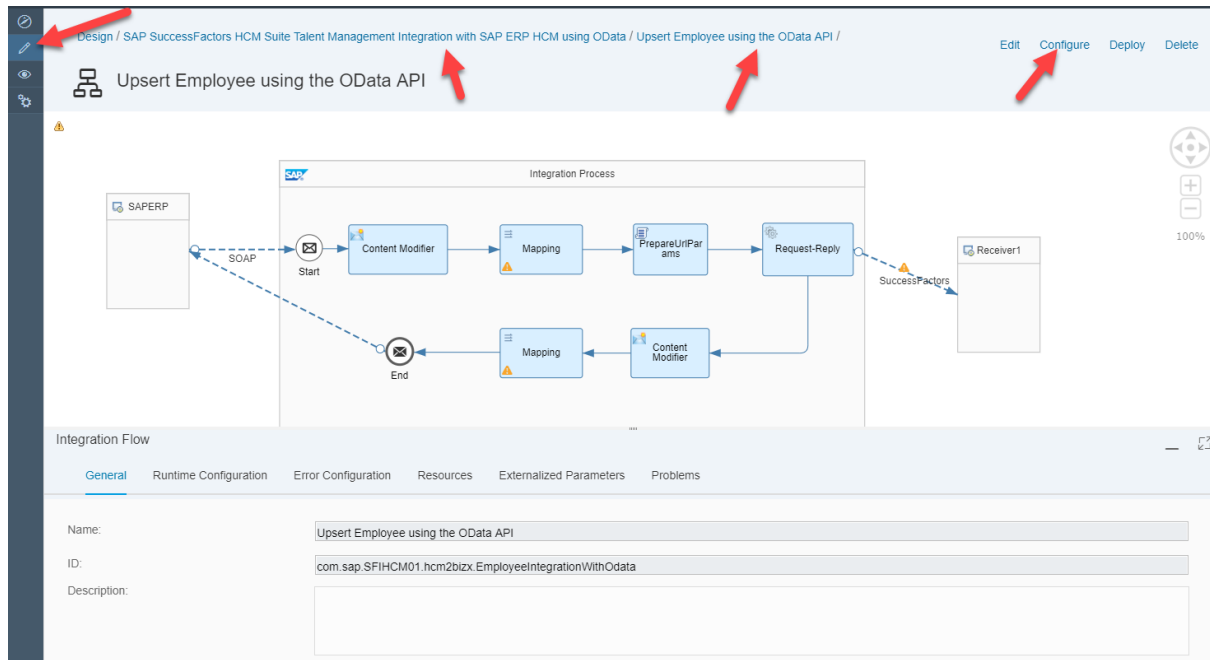
Repeat Password:

*Company ID:

Deploy Cancel

2. Configure the iFlow - Login

With this step you will configure the related iFlow with the login data prepared with the previous step. Go to the configuration section: "Design View" -> "SAP SuccessFactors HCM Suite Talent Management Integration with SAP ERP HCM using OData" -> "Artifacts" -> "Upsert Employee using the OData API" -> "Configure", as shown at the screenshot.



3. Configure the iFlow – Receiver Address

Then you need to enter the credential name (from the previous step) as part of the receiver configuration.

Configure "Upsert Employee using the OData API"

Sender Receiver More

Receiver: Receiver1

Adapter Type: SuccessFactors

Connection

Address: https://<SFSFURL>

Credential Name: Employee

4. Configure the iFlow – Sender Address

Next to the receiver you need to prepare the sender address. By default, you will find a preconfigured value that you can use (e.g. /EmployeeIntegrationOdata as in our example). However, it can be adjusted according to the customer specific requirement.

Configure "Upsert Employee using the OData API"

Sender Receiver More

Connection

Sender: SAPERP

Adapter Type: SOAP

Address: /EmployeeIntegrationOdata

Authorization: User Role

5. Adjust the SOA manager settings

If you replace any previous SOAP based iFlow you need to adjust the SOA manager settings. In this context you need to run transaction "SOAMANAGER" at your ERP system. Then go to the Web Service Configuration belonging to the iFlow that shall be replaced (e.g. CO_SFI_SE_SFSFUSER_UPSERT_RC for employee synchronization). Here you need to add logical port of the sender address prepared with the previous step.

Configuration: Consumer Proxy 'CO_SFI_SE_SFSFUSER_UPSERT_RC', Logical Port [REDACTED]

Save Edit Ping Web Service

Consumer Security Messaging Transport Settings Operation specific Administrative Information

Transport Binding

URL Access Path: * /cxfl/EmployeeIntegrationOdata

Computer Name of Access URL: c0308-iflmap.hcisb.int.sap.eu2.hana.ondemand.com

Port Number of Access URL: 443

URL Protocol Information: HTTPS

Logon Language: Language of User Context

Name of Proxy Host: proxy

Port Number of Proxy Host: 8080

User Name for Proxy Access:

Password of Proxy User:

Make Local Call: No Call in Local System

Transport Binding Type: * SOAP 1.1

Maximum Wait for WS Consumer: 0

Optimized XML Transfer: None

Compress HTTP Message: Inactive

Compress Response: True

6. OData API option profile for user entity

This step is optional. If it is needed to transfer processing parameters with the user integration iFlow this can be done with help of the 'OData API option profile ID'. Detailed steps for doing that are found in

KBA 2527211

<https://help.sap.com/viewer/28bc3c8e3f214ab487ec51b1b8709adc/1902/en-US/bf137a9a6fe143e3a9ef59bcc98f8a2d.html>

Configure "Upsert Employee using the OData API"

SenderReceiverMore

Type:

apiOptionProfileID:

purgeType: