

SAP S/4HANA Integration with Workday Configuration Guide

For SAP Cloud Integration Suite

Version 1.0 – June 2021

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1 Introduction

This document provides an overview of the artifacts delivered as part of the SAP S/4HANA Integration with Workday for the SAP Integration Suite. The document discusses some of the common configuration steps needed before deploying the Integration Flows within the package. Read this guide carefully before configuring the integration content.

1.1 Coding Samples

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended to better explain and visualize the syntax and phrasing rules of certain coding. We do not warrant the correctness and completeness of the Code given herein.

1.2 Internet Hyperlinks

The documentation may contain hyperlinks to the Internet. These hyperlinks are intended to serve as a hint about where to find related information. We do not warrant the availability and the correctness of this related information or the ability of this information to serve a particular purpose.

2 Overview

The integration of SAP S/4HANA and Workday processes can be customized. It is expected that you customize the process as per your business requirements. Adjustments can be made at different components, including:

- Adjustment to the integration flow externalized parameters,
- Adjustment to the mapping step to reflect the possible custom properties in Workday.

In case changes have been made to objects in Workday and custom fields have been added, XSD needs to be generated using the Eclipse Plug-in. These XSDs need to be uploaded to the Integration flow and the mapping adjusted accordingly.



3 Preparing the Systems for Integration

3.1 Prerequisites

To configure the integration content using this guide, you need to have access and authorizations to the systems listed below.

Access required:

- SAP S/4HANA Tenant Details
- SAP Integration Suite Tenant Details.
- Workday Tenant Details

Authorization required:

- SAP S/4HANA Tenant Details
 - Appropriate authorizations for the technical user that will be used to connect to the SAP S/4HANA Tenant.
 - The technical should be able to perform different operations on:
 - Business Partner (Read, Create and Update)
 - Cost Centers (Read)
 - Exchange Rate (Read)
- SAP Integration Suite Tenant Details
 - AuthGroup.IntegrationDeveloper
- Workday Tenant
 - Appropriate authorizations for the technical user that will be used to connect to the Workday Tenant.

3.2 Adapter Installation

Installing the Workday adapter is a prerequisite to use this Integration Package. For the adapter installation refer to the *Workday Adapter and Plug-in Installation Guide* that is included as part of the Workday adapter package.

3.3 Plug-in Installation

For the Eclipse plug-in (or Workbench) installation refer to the *Workday Adapter and Plug-in Installation Guide* that is included as part of the Workday adapter package.



4 Configuration

SAP S/4HANA, Workday, and SAP Integration Suite need to be configured and prepared before the integration content package can be configured and deployed. Follow the steps mentioned in the next sections.

4.1 Configuration in SAP S/4HANA

This section describes the mandatory configurations which need to be performed in the SAP S/4HANA. Follow the steps mentioned in the following sub-sections.

4.1.1 Create Technical Communication User

A Technical Communication User is needed to call OData and SOAP services in SAP S/4HANA from Cloud Platform Integration. Communication Users in SAP S/4HANA are used for inbound communication and for processing messages in the system. Follow the steps below to create a communication user in SAP S/4HANA.

4.1.2 Enable Data Replication Framework and Configure SOA Manager

Scope: Only applicable for the Exchange Rate Replication Integration Scenario.

Before the replication of Exchange Rate from SAP S/4HANA to ServiceNow, the Data Replication Framework and SOA Manager configuration have to be performed. More details can be found on the below SAP document.

<https://help.sap.com/viewer/22ccb1d573f84837a0850bd039543b50/2020.002/en-US/7735bd11998341e18fc2fd28af0b242a.html>

Note: The backend SAP S/4HANA application has to ensure that the replication output is pointed to the Logical port created as part of the SOA Manager configuration.

4.2 Configuration in Workday

This integration package is configured using basic Authentication toward Workday.

A Technical Communication User is needed in Workday to perform all integration calls from the Integration Suite. The created technical user needs to have all the appropriate authorization to perform CRUD operations in Workday.



4.3 Configuration in SAP Integration Suite

In this section, the settings of the Integration Flows are discussed including the prerequisites, parameters of the Sender and Receiver systems, as well as others specific to each iFlow.

4.3.1 Replicate Exchange Rate from SAP S/4HANA to Workday

This integration flow enables the replication of Exchange Rates from SAP S/4HANA. The integration is triggered from SAP S/4HANA and the Integration Exposes a SOAP endpoint. Figure 4.1 depicts the business process to be implemented.

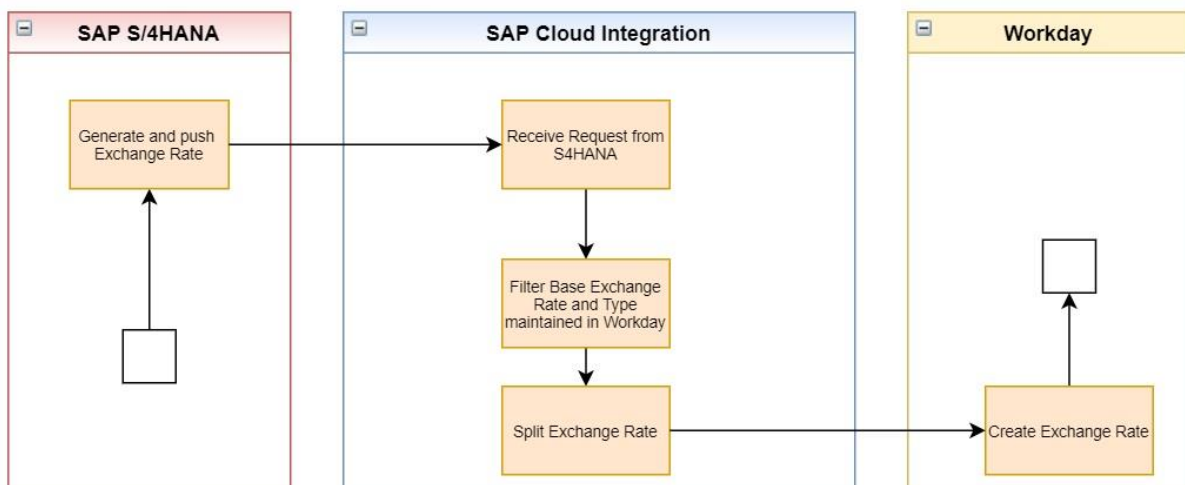


Figure 4.1 Process Diagram

The SAP Cloud Integration implementation of the process in Figure 4.1 is shown in Figure 4.2.

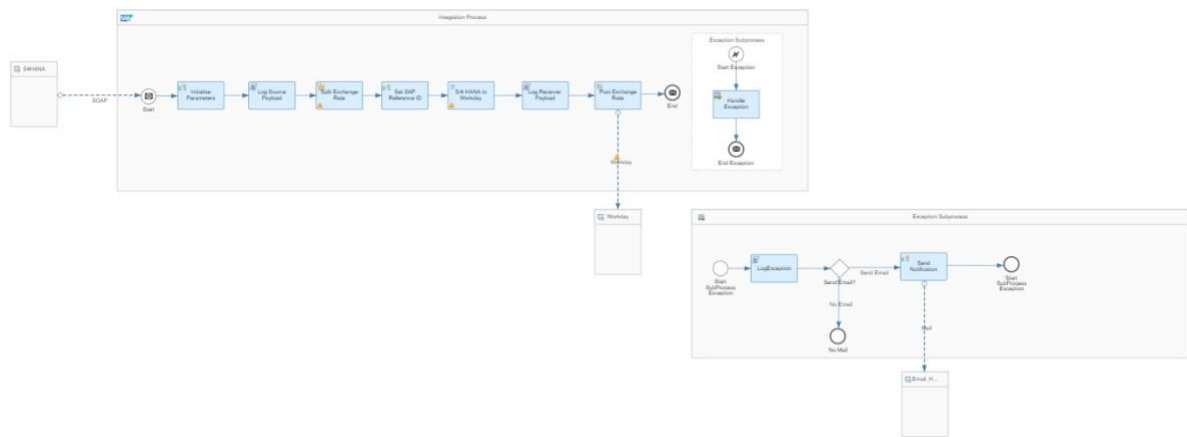


Figure 4.2 Integration Flow

4.3.1.1 Prerequisites

The following actions need to be performed as a prerequisite:

- Deploy the security artifacts that will be required during the configuration of integration content.
- Users need to define the time zone in configuration and the first time run date and hour from when to start replicating.

4.3.1.2 Deploying User Credentials in SAP Cloud Integration

To enable the Integration Flows to run, we will need to deploy Credentials for both Workday and SAP S/4HANA in the Cloud Integration Tenant. These are discussed in the next sections.

4.3.1.2.1 Deploying User Credentials for Workday

This is necessary to connect to Workday using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical Workday User.
6. Click on Deploy.



4.3.1.2 Deploying User Credentials for SAP S/4HANA

This is necessary to connect to SAP S/4HANA using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical Workday User.
6. Click on Deploy.

4.3.1.3 Configuration

Follow the below steps to configure the integration flow:

1. Open the integration flow "Replicate Exchange Rate from SAP S4HANA to Workday".
2. Click on Configure.
3. Configure "Sender". Provide an endpoint to the iflow as per the organization's naming standards.

The screenshot shows the configuration interface for the 'Sender' tab. It includes a navigation bar with 'Sender', 'Receiver', and 'More' options. The 'Connection' section contains three fields: 'Sender' (a dropdown menu with 'S4HANA' selected), 'Adapter Type' (a dropdown menu with 'SOAP' selected), and 'Address' (a text input field containing '/sap/workday/exchangerate').

Figure 4.3 Configure Sender

Note: Replace the default values of the parameters in the configurations based on your scenario and landscape.

4. Go to Receiver.
5. Configure the "Receiver" connector named "Workday". See Figure 4.4.

The screenshot shows the configuration interface for the 'Receiver' tab. It includes a navigation bar with 'Sender', 'Receiver', and 'More' options. The 'Connection' section contains three fields: 'Receiver' (a dropdown menu with 'Workday' selected), 'Adapter Type' (a dropdown menu with 'Workday' selected), and 'Address' (a text input field with a placeholder ending in '.com'). The 'Processing' section contains three fields: 'Tenant' (a text input field with a placeholder), 'Credential Name' (a text input field containing 'WorkdayTestCredentials'), and 'API Version' (a dropdown menu with 'v32.0' selected).

Figure 4.4 Configure Receiver Workday



The description of each of the fields in Figure 4.10 is presented in the table below.

Parameter	Description
Address	Specify the hostname of your Workday tenant. Example.: https://dev11111.workday.com
Tenant	Specify the ID of your Workday tenant. Example: mytenant
Credential Name	Specify the name of a deployed User Credentials artifact that holds the username and password used to authenticate with Workday.
API Version	Specify the Workday API version.

Table 1 Configure Receiver Workday

6. Configure the "Receiver" connector named "Email_Handler". See Figure 4.5.

The screenshot shows the configuration for a Receiver connector. The 'Receiver' field is set to 'Email_Handler'. The 'Adapter Type' is 'Mail'. The 'Address' field is redacted. The 'Proxy Type' is 'Internet'. The 'Timeout (in ms)' is '30000'. The 'Protection' is 'STARTTLS Mandatory'. The 'Authentication' is 'Plain User/Password'. The 'Credential Name' is 'EMail_Credential'. Under the 'Processing' section, the 'From', 'To', and 'Subject' fields are all redacted.

Figure 4.5 Configure Receiver Mail Server

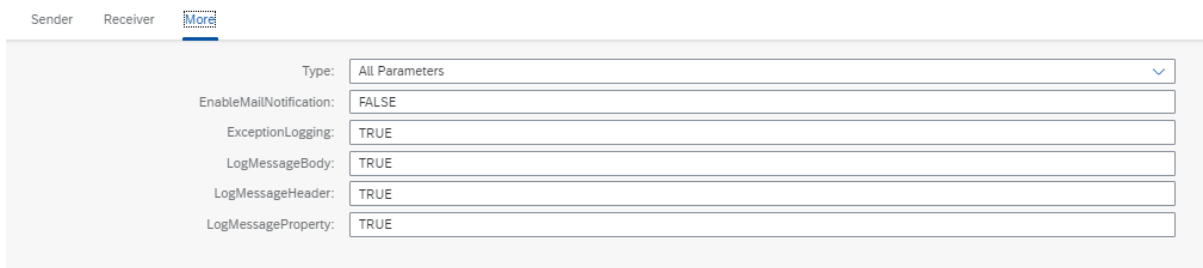
The description of each of the fields in Figure 4.5 is presented in the table below.



Parameter	Description
Address	Specify a combination of the hostname and port of your email Server. Example: smtp.gmail.com:587
Basic Credential Name	Specify the name of a deployed User Credentials artifact that holds the Username and Password used to authenticate with the mail server.
From	Specify the email address from which the exception notification should come.
To	Specify the email address where to sent the exception notification.
Subject	Specify the template to be used as a subject of your email.

Table 2 Configure Receiver Mail Server

7. Configure "More" as shown in Figure 4.6.



Sender Receiver **More**

Type: All Parameters

EnableMailNotification: FALSE

ExceptionLogging: TRUE

LogMessageBody: TRUE

LogMessageHeader: TRUE

LogMessageProperty: TRUE

Figure 4.6 Configure More options

The description of each of the fields in Figure 4.6 is presented in the table below.



Parameter	Description
LogMessageBody	Possible values "TRUE" / "FALSE". Specify "TRUE" to log the Message Body (Not recommended in a live environment). Use "FALSE" as a default value.
LogMessageHeader	Possible values "TRUE" / "FALSE". Specify "YES" to log Message Headers. Use "FALSE" as a default value.
LogMessageProperty	Possible values "TRUE" / "FALSE". Specify "TRUE" to log Message properties (Not recommended in a live environment). Use "FALSE" as a default value.
ExceptionLogging	Possible values "TRUE" / "FALSE". Specify "YES" to log Message Exceptions. Use "FALSE" as a default value.
EnableMailNotification	Possible values "TRUE" / "FALSE". In case the value is set to "TRUE", the integration Flows will send a notification to the email address specified in the To field of the Mail server. See Table 2. The notification is sent in case an exception occurs.

Table 3 Configure More options

8. Save and Deploy.

4.3.1.4 Integration Message Mapping

In case your organization uses custom fields in Workday, you might need to customize the provided integration flow and adapt it to your needs. Users should update the existing solution by creating a new XSD using the Eclipse Workday Workbench Plug-in, change this schema in the message mapping, and add custom connections as needed.

4.3.2 Replicate Cost Centers from SAP S/4HANA to Workday

This integration flow enables the replication of newly created Cost Centers from SAP S/4HANA to Workday. The integration needs to be scheduled (if scheduled to recur) and



checks for any new Cost Centers data in SAP S/4HANA. Figure 4.7 depicts the business process to be implemented.

Note: The integration is meant to synchronize Cost Centers based upon creation date. It only picks newly created Cost Centers. It is also possible to synchronize specific Cost Centers, using the "CostCenters" external property in the Integration Flow.

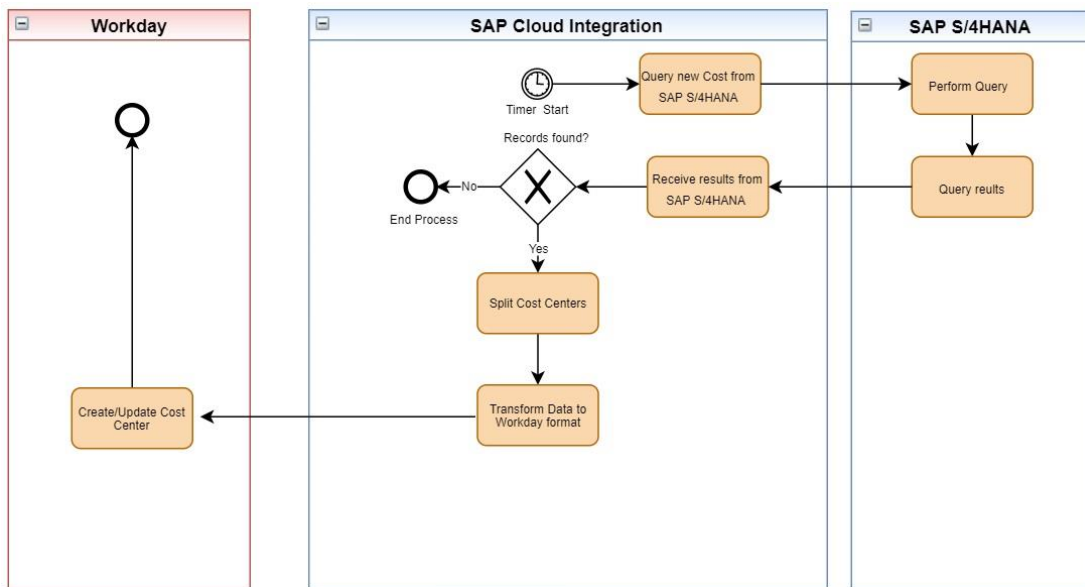


Figure 4.7 Process Diagram

The SAP Cloud Integration implementation of the process in Figure 4.7 is shown in Figure 4.8.

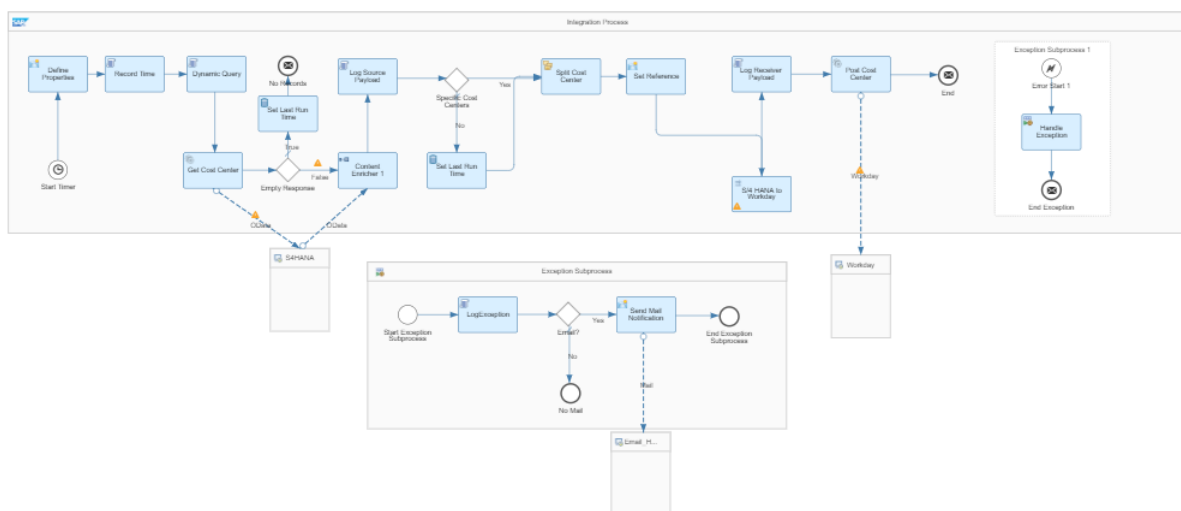


Figure 4.8 Integration Flow



4.3.2.1 Prerequisites

The following actions need to be performed as a prerequisite:

- Deploy the security artifacts that will be required during the configuration of integration content.
- Users need to define the time zone in configuration and the first time run date and hour from when to start replicating.

To enable the Integration Flows to run, we will need to deploy Credentials for both Workday and SAP S/4HANA in the Cloud Integration Tenant. These are discussed in the next sections.

4.3.2.1.1 Deploying User Credentials for Workday

This is necessary to connect to Workday using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical Workday User.
6. Click on Deploy.

4.3.2.1.2 Deploying User Credentials for SAP S/4HANA

This is necessary to connect to SAP S/4HANA using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical User.
6. Click on Deploy.

4.3.2.2 Configuration

Follow the below steps to configure the integration flow:

1. Open the integration flow.
2. Click on Configure.
3. Configure "Timer". You can choose between:



Run Once: iFlow will be executed only once, can be used for the initial Date time or for Specific Cost Centers.

Schedule on Day: iFlow will be executed on a specific date/time.

Schedule to Recur: iFlow will be executed at a regular interval and will replicate the changes from the source system to the target system (suggested mode).

Figure 4.9 Configure Timer

Note: Replace the default values of the parameters in the configurations based on your scenario and landscape.

4. Go to Receiver.
5. Configure the "Receiver" connector named "S4HANA" to fit your specific landscape. See Figure 4.10.

Figure 4.10 Configure Receiver SAP S/4HANA for OData

The description of each of the fields in Figure 4.10 is presented in the table below.



Parameter	Description
S4HANA_ Host	Specify the API hostname of your SAP S/4HANA to consume an OData Service. The hostname is part of the Address. Example: myxxxxx
S4HANA_ Port	SAP S/4HANA port. Default Value: 50000
S4HANA_Basepath	SAP S/4 HANA service basepath Default Value: /sap/opu/odata/sap/API_COSTCENTER_SRV/
Proxy Type	Specify the proxy type that suits your scenario. The default value is Internet.
Location ID	Specify the Location ID used in the Cloud Connectors to identify the S/4HANA System.
Authentication	Specify the authentication method to be used. Note that Basic authentication is selected by default.
Credential Name	Specify the name of the credential you have deployed for SAP S/4HANA.
CSRF Protected	Specify whether or not to activate the "CSRF Protected" option.

Table 4 Configure Receiver SAP S/4HANA for OData

6. Configure the "Receiver" connector named "Workday". See Figure below.



Sender **Receiver** More

Receiver: Workday

Adapter Type: Workday

Address: [redacted].com

Tenant: [redacted]

Credential Name: WorkdayTestCredentials

API Version: v32.0

Figure 4.11 Configure Receiver Workday

The description of each of the fields in Figure 4.11 is presented in the table below.

Parameter	Description
Address	Specify the hostname of your Workday tenant. Example.: https://dev11111.workday.com
Tenant	Specify the ID of your Workday tenant. Example: mytenant
Credential Name	Specify the name of a deployed User Credentials artifact that holds the username and password used to authenticate with Workday. This was discussed in Section 4.3.1.2.1.
API Version	Specify the Workday API version.

Table 5 Configure Receiver Workday

7. Configure the “Receiver” connector named “Email_Handler”. See Figure **4.12**.



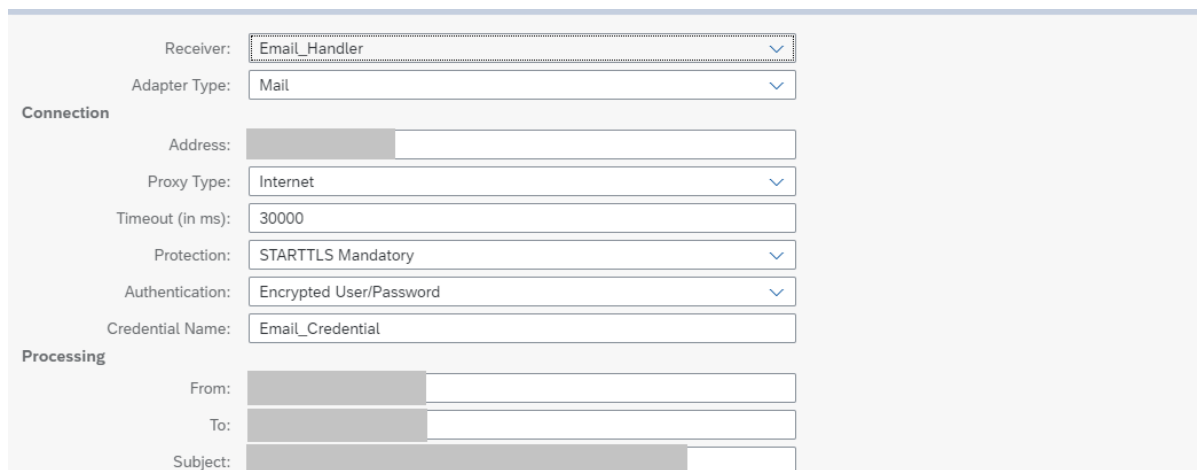


Figure 4.12 Configure Receiver Mail Server

The description of each of the fields in Figure 4.12. is presented in the table below.

Parameter	Description
Address	Specify a combination of the hostname and port of your email Server. Example.: smtp.gmail.com:587
Basic Credential Name	Specify the name of a deployed User Credentials artifact that holds the Username and Password used to authenticate with the mail server.
From	Specify the email address from which the exception notification should come from.
To	Specify the email address where to sent the exception notification to.
Subject	Specify the template to be used as a subject of your email.

Table 6 Configure Receiver Mail Server

8. Configure "More" as shown in Figure **4.13**.



Timer Receiver **More**

Type: All Parameters

Cost Centers:

EnableMailNotification: TRUE

ExceptionLogging: TRUE

InitialQueryDate:

LogMessageBody: TRUE

LogMessageHeader: TRUE

LogMessageProperty: TRUE

Timezone: CET

Figure 4.13 Configure More options

The description of each of the fields in Figure 4.13 is presented in the table below.

Parameter	Description
InitialQueryDate	<p>This date is used as a starting point for the query to retrieve changed users in SAP S/4HANA. The date is written using the format: YYYY-MM-DD'T'HH:MM:SS.</p> <p>Example: 2021-06-25T13:00:12</p> <p>In case you use the date in the example, the first time the integration flow runs, all Cost Center data that have been created from "2021-06-25T13:00:12" will be synchronized to Workday. The integration Flow then keeps track of the last time it has run. The subsequent run will query data from the last time the integration flow run.</p>
LogMessageBody	<p>Possible values "TRUE" / "FALSE". Specify "TRUE" to log the Message Body (Not recommended in a live environment). Use "FALSE" as a default value.</p>
LogMessageHeader	<p>Possible values "TRUE" / "FALSE". Specify "TRUE" to log Message Headers. Use "FALSE" as a default value.</p>
LogMessageProperty	<p>Possible values "TRUE" / "FALSE". Specify "TRUE" to log Message properties (Not recommended in a live environment).</p> <p>Use "FALSE" as a default value.</p>



ExceptionLogging	Possible values "TRUE" / "FALSE". Specify "TRUE" to log Exception Message. Use "FALSE" as a default value.
Timezone	Specify the timezone to be used. The default value is CET.
Cost Centers	Specify a list of Cost Centers in a comma-separated format. Only fill in this field in case you would like to synchronize a specific set of cost centers. In which case the Integration Flow will replicate the specified Cost Center without checking the creation or update dates.
EnableMailNotification	Possible values "TRUE" / "FALSE". In case the value is set to "TRUE", the integration Flows will send a notification to the email address specified in the To field of the Mail server. See Table 2. The notification is sent in case an exception occurs.

Table 7 Configure More options

9. Save and deploy.

The table below describes different configurations and steps needed to be performed for various modes of execution.

Run Modes	Configuration	Mandatory Action
Initial Run	Configure all the external parameters as needed. Populate the parameter for InitialQueryDate in YYYY-MM-DD'T'HH:MM:SS format. Example: 2021-06-25T13:00:12. Deploy the Integration flow once all parameters are configured.	Ensure that no values are populated in external parameters for Cost Centers.
Replicating specific Cost Centers	Configure all the external parameters. Populate the external parameter for Cost Centers in a comma-separated format. Example: TEST00003, TEST00004.	Note that in this scenario, the LastRunDateTime will not be updated/override. The old value will not change.



Recurring delta runs	Once the Initial run is complete and successful, the external parameters for both InitialQueryDate and Cost Centers should be set to blank and the flow needs to be re-deployed.	InitialQueryDate and Cost Centers should be left blank.
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Table 8 Mode of execution

4.3.2.3 Integration Message Mapping

In case your organization uses custom fields in Workday, you might need to customize the provided integration flow and adapt it to your needs. Users should update the existing solution by creating a new XSD using the Eclipse Workday Workbench Plug-in, change this schema in the message mapping, and add custom connections as needed.

4.3.3 Replicate Employee from Workday to SAP S/4HANA as Business Partner

This integration flow enables the replication of changed employees from Workday to SAP S/4HANA. The integration needs to be scheduled (if scheduled to recur) and checks for any employee data has been changed in Workday. Figure 4.14 depicts the business process to be implemented.

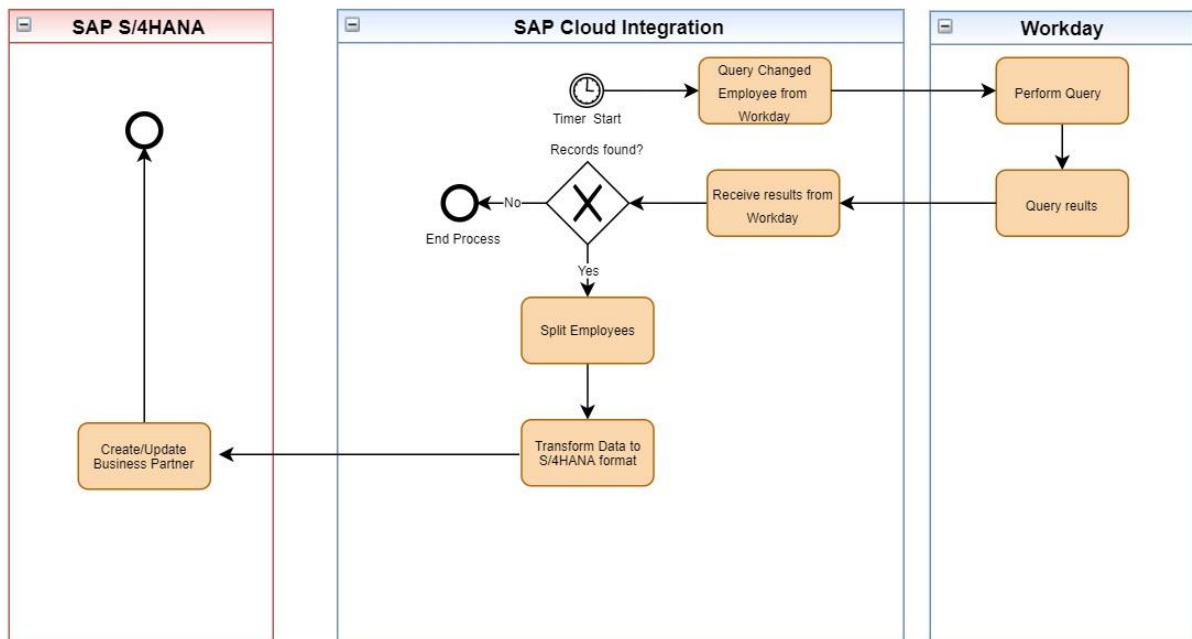


Figure 4.14 Process Diagram

The SAP Cloud Integration implementation of the process in Figure 4.14 is shown in Figure 4.15.

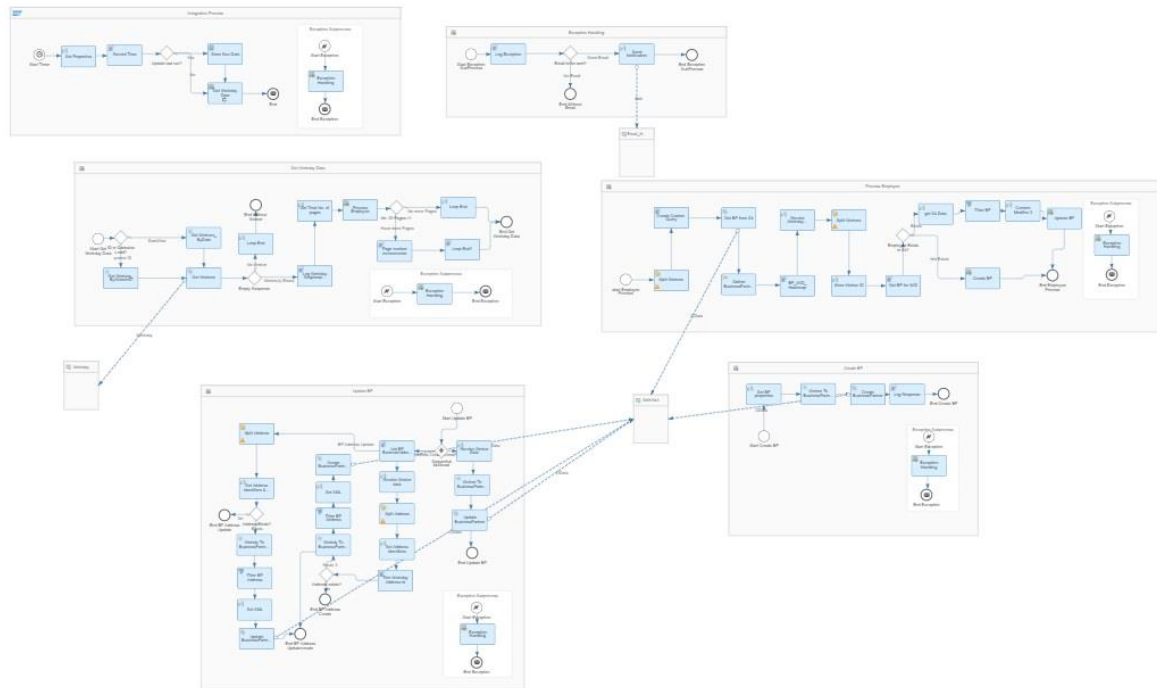


Figure 4.15 Integration Flow

4.3.3.1 Prerequisites

The following actions need to be performed as a prerequisite:

- Deploy the security artifacts that will be required during the configuration of integration content.
- Users need to define the time zone in configuration and the first time run date and hour from when to start replicating.

4.3.3.2 Deploying User Credentials in SAP Cloud Integration

To enable the Integration Flows to run, we will need to deploy Credentials for both Workday and SAP S/4HANA in the Cloud Integration Tenant. These are discussed in the next sections.



4.3.3.2.1 Deploying User Credentials for Workday

This is necessary to connect to Workday using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical Workday User.
6. Click on Deploy.

4.3.3.2.2 Deploying User Credentials for SAP S/4HANA

This is necessary to connect to SAP S/4HANA using basic Authentication (username and password). Follow the steps below:

1. In your SAP Cloud Integration tenant go to Monitor.
2. In Manage Security click on Security Material.
3. Click on the Add dropdown and select User Credentials.
4. Specify the name and description of the User Credential.
5. Fill in the username and password of your technical User.
6. Click on Deploy.

4.3.3.3 Configuration

Follow the below steps to configure the integration flow:

1. Open the integration flow.
2. Click on Configure.
3. Configure "Timer". You can choose between:
 - Run Once:** iFlow will be executed only once, can be used for the initial load.
 - Schedule on Day:** iFlow will be executed on a specific date/time.
 - Schedule to Recur:** iFlow will be executed at a regular interval and will replicate the changes from the source system to the target system (suggested mode).

The screenshot shows the configuration for a timer in SAP Cloud Integration. The 'Timer' tab is active. The timer is named 'Start Timer [StartEvent_686]'. Under 'Schedule to Recur', the 'Daily' option is selected. The 'On Time' option is also visible, set to '06:55 PM'. The 'Every' option is selected, with a frequency of '1 min' and a time range from '00:00' to '01:00'. The time zone is set to '(UTC 0:00) Greenwich Mean Time(Etc/GMT)'.

Figure 4.16 Configure Timer



Note: Replace the default values of the parameters in the configurations based on your scenario and landscape.

4. Go to Receiver.
5. Configure the "Receiver" connector named "S4HANA" to fit your specific landscape. See Figure 4.17.

The screenshot shows the configuration for a Receiver connector named 'S4HANA'. The 'Connection' section contains the following fields:

- Receiver: S4HANA
- Adapter Type: HCIOData
- Address: `http://[[S4HANA_Host]]:[[S4HANA_Port]]/sap/opu/odata/sap/API_BUSINESS_PARTNER`
- S4HANA_Host: [Redacted]
- S4HANA_Port: 50000
- Proxy Type: On-Premise
- Location ID: [Redacted]
- Authentication: Basic
- Credential Name: [Redacted]
- CSRF Protected:

The 'Processing' section contains:

- Timeout (in min): 1

Figure 4.17 Configure Receiver SAP S/4HANA for OData

The description of each of the fields in Figure 4.17 is presented in the table below.

Parameter	Description
S4HANA_ Host	Specify the API hostname of your SAP S/4HANA to consume an OData Service. The hostname is part of the Address. Example: myxxxxx.s4hana.ondemand.com
S4HANA_ Port	SAP S/4HANA port. Default Value: 443
Proxy Type	Specify the proxy type that suits your scenario. The default value is Internet.
Location ID	Specify the Location ID used in the Cloud Connectors to identify the S/4HANA System.



Authentication	Specify the authentication method to be used. Note that Basic authentication is selected by default.
Credential Name	Specify the name of the credential you have deployed for SAP S/4HANA. This was discussed in Section 4.3.1.2.2.
CSRF Protected	Specify whether or not to activate the “CSRF Protected” option.

Table 9 Configure Receiver SAP S/4HANA for OData

6. Configure the “Receiver” connector named “Workday”. See Figure 4.18.

The screenshot shows the configuration page for a receiver connector. At the top, there are tabs for 'Sender', 'Receiver' (which is selected), and 'More'. Below the tabs, there are several configuration fields:

- Receiver:** A dropdown menu with 'Workday' selected.
- Adapter Type:** A dropdown menu with 'Workday' selected.
- Address:** A text input field with a masked value ending in '.com'.
- Tenant:** A text input field with a masked value.
- Credential Name:** A text input field containing 'WorkdayTestCredentials'.
- API Version:** A dropdown menu with 'v32.0' selected.

Figure 4.18 Configure Receiver Workday

The description of each of the fields in Figure 4.18 is presented in the table below.

Parameter	Description
Address	Specify the hostname of your Workday tenant. Example.: https://dev11111.workday.com
Tenant	Specify the ID of your Workday tenant. Example: mytenant
Credential Name	Specify the name of a deployed User Credentials artifact that holds the username and password used to authenticate with Workday. This was discussed in Section 4.3.1.2.1.



API Version	Specify the Workday API version.
-------------	----------------------------------

Table 10 Configure Receiver Workday

7. Configure the "Receiver" connector named "Email_Handler". See Figure 4.19.

Figure 4.19 Configure Receiver Mail Server

The description of each of the fields in Figure 4.19 is presented in the table below.

Parameter	Description
Address	Specify a combination of the hostname and port of your email Server. Example.: smtp.gmail.com:587
Basic Credential Name	Specify the name of a deployed User Credentials artifact that holds the Username and Password used to authenticate with the mail server.
From	Specify the email address from which the exception notification should come from.
To	Specify the email address where to sent the exception notification to.
Subject	Specify the template to be used as a subject of your email.

Table 11 Configure Receiver Mail Server



8. Configure "More" as shown in Figure 4.20.

The screenshot shows the 'More' configuration page with the following parameters:

Parameter	Value
Type	All Parameters
BodyLogging	TRUE
BP_AuthGroup	
BP_Category	1
BP_Grouping	BP02
BP_Role	BUP002
BP_Type	0003
EnableMailNotification	TRUE
ExceptionLogging	TRUE
HeaderLogging	TRUE
InitialQueryDate	2000-06-01T00:00:00.000
PropertyLogging	TRUE
RecordPerPage	700
Timezone	America/Los_Angeles
WorkdayVersion	v32.0
WorkerID	

Figure 4.20 Configure More options

The description of each of the fields in Figure 4.20 is presented in the table below.

Parameter	Description
LogMessageBody	Possible values "TRUE" / "FALSE". Specify "TRUE" to log the Message Body (Not recommended in a live environment). Use "FALSE" as a default value.
LogMessageHeader	Possible values "TRUE" / "FALSE". Specify "TRUE" to log Message Headers. Use "FALSE" as a default value.
LogMessageProperty	Possible values "TRUE" / "FALSE". Specify "TRUE" to log Message properties (Not recommended in a live environment). Use "FALSE" as a default value.
ExceptionLogging	Possible values "TRUE" / "FALSE". Specify "TRUE" to log Exception Message. Use "FALSE" as a default value.

InitialQueryDate	<p>This date is used as a starting point for the query to retrieve changed users in SAP S/4HANA. The date is written using the format: YYYY-MM-DD'T'HH:MM:SS.sss</p> <p>Example: 2021-06-25T13:00:12.000</p> <p>In case you use the date in the example, the first time the integration flow runs, all Cost Center data that have been created from "2021-06-25T13:00:12.000" will be synchronized to Workday. The integration Flow then keeps track of the last time it has run. The subsequent run will query data from the last time the integration flow run.</p>
BP_AuthGroup	Specifies the BP Authorization Group value to be used when creating the Business Partner.
BP_Category	Specifies the BP Category value to be used when creating the Business Partner.
BP_Grouping	Specifies the BP Grouping value to be used when creating the Business Partner.
BP_Role	Specifies the BP Role value to be used when creating the Business Partner.
BP_Type	Specifies the BP Type value to be used when creating the Business Partner.
RecordPerPage	Specifies the maximum number of records to be returned from Workday per page. Note that this value cannot be higher than 999.
WorkerID	<p>Besides the possibility to retrieve data of all changed workers in Workday; it is also possible to synchronize a specific Worker. In case multiple workers need to be synchronized, use a list of IDs separated by a semi-colon. Note that by default this value is empty. In which case, all changed workers are synchronized.</p> <p>Note: In case this value is filled, only the specified worker ID will be synchronized; irrespective of whether the data was changed or not.</p>



WorkdayVersion	Specifies the API version to be used when calling Workday. It is recommended to use the default value.
EnableMailNotification	Possible values "TRUE" / "FALSE". In case the value is set to "TRUE", the integration Flows will send a notification to the email address specified in the To field of the Mail server. See Table 2. The notification is sent in case an exception occurs.

Table 12 Configure More options

9. Save and deploy.

4.3.3.4 Integration Message Mapping

In case your organization uses custom fields in Workday, you might need to customize the provided integration flow and adapt it to your needs. Users should update the existing solution by creating a new XSD using the Eclipse Workday Workbench Plug-in, change this schema in the message mapping, and add custom connections as needed.

4.3.3.5 Value Mapping

Value mapping facilitates the customization values of attributes like AddressUsage and ID Types between Workday and SAP S/4HANA. In the current version of the content package, there are two records – see Figure 4.21.

Note: In case these default values have been changed in your tenant, adjust the value mapping accordingly.

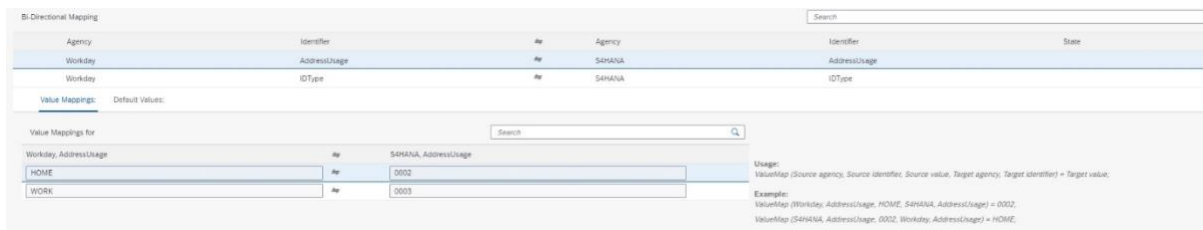


Figure 4.21 Value Mapping for Account Group



5 Appendix

5.1 Generating Schema from Eclipse Plug-in and Replacing Standard Schema Used in Integration Flow

Currently, the integration package uses standard fields and properties provided in Workday. In case other custom fields are needed; a new XSD must be generated with the Workday Eclipse Plug-in, the default XSD on mapping must be replaced by the created one, and these fields should also be mapped.

Steps to create an XSD:

1. Open Eclipse.
2. Go to Windows > Perspective > Open Perspective > Other.
3. Select Workday Adapter and click Open.
4. Go to XSD Generator.
5. Select a Version.
6. Select an Operation. First Create, then Update.
7. Select the Workday "Request Operation Tag".
8. Select Request XSD for both the Create and Update Operations.
9. Click on Save XSD and select a folder.
10. Replace default XSD from mapping in SAP Cloud Integration to the recently created XSD.

