Integration Guide

SAP S/4HANA for EHS Workplace Safety Integration with SAP SuccessFactors Learning

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This guide describes the configuration steps for the integration of SAP S/4HANA for EHS Workplace Safety with the SAP SuccessFactors Learning solution.

1. Prerequisites

1.1. Create an SAP BTP User

Create a user on SAP BTP and assign the *ESBMessaging.Send* role.

1.2. Set Up OAuth2 SAML Bearer Assertion in SAP Cloud Integration Connecting with SAP SuccessFactors SFAPI

1. Add the following permissions to your SAP SuccessFactors Learning user:
   - **General User Permission**: SFAPI User Login
   - **Manage Integration Tools**: Manage OAuth2 Client Applications
2. Go to **Admin Center** > **Manage OAuth2 Client Applications**.
3. Choose **Register Client Application** and start filling in the fields **Application Name** and **Application URL**.
4. Keep this page open and open your SAP Cloud Integration tenant.
5. Open the **Monitor** tab in the navigation pane and select **Integrations and APIs**.
6. In the **Manage Security** section, choose **Keystore**.
7. Choose **Create**, select **Key Pair**, and update the following values:
   - Alias
   - Common Name (CN)
   - Country/Region (C)

   Note: You can keep the default values for the other fields, but some can be changed if needed, for example, **Valid Until**.

8. Choose **Create**.
9. Select the entry you just created and choose **Download** > **Certificate**.
   This generates a .crt file which is downloaded to the default download folder of your internet browser.
10. Open the file with a text editor app and copy the value (without -----BEGIN CERTIFICATE----- and -----END CERTIFICATE-----).
11. Add the copied value in the SAP SuccessFactors Learning browser window from step 3 in the **X.509 Certificate** field, choose **Register**, and copy the value of the **API Key** field.
12. Open your SAP Cloud Integration tenant.
13. Open the **Monitor** tab in the navigation pane and select **Integrations and APIs**.
14. In the **Manage Security** section, choose **Security Material**.
15. Choose **Create** > **OAuth2 SAML Bearer Assertion** and enter the following details:
    - **Name**: Your unique name for this key/credentials
    - **Description**
    - **Audience**: www.successfactors.com
    - **Client Key**: Use the copied value of the API key from step 11

- **Token Service URL**: SuccessFactors host (for example, https://hcm-us20-sales.hr.cloud.sap/oauth/token)
- **Target System Type**: SuccessFactors
- **Company ID**: Your SAP SuccessFactors Learning Company ID
- **User ID**: Key Pair Common Name (CN)
- **Key Pair Alias**: The alias of the key pair created in step 7

16. Choose **Deploy**.

2. Configure Cloud Integration

2.1. Copy the Integration Package

1. Log in to SAP Cloud Integration Web UI.
2. Open the **Discover** tab in the navigation pane on the left, then choose **Integrations**.
   Search for and open the integration package **SAP S/4HANA for EHS Workplace Safety Integration with SAP SuccessFactors Learning**.
3. Choose **Copy** in the top-right corner.

Note: If the integration package is being created for the first time, a message informs you that the integration package has been created. If it already exists, you are prompted to either create a new copy of the package or overwrite the existing integration package content. Choose **Create copy**.

2.2. Configure the Integration Flows

1. Log in to SAP Cloud Integration Web UI.
2. Choose **Design** in the navigation pane on the left and select **Integrations and APIs**.
3. Choose the previously copied package.
4. Navigate to the **Artifacts** tab. For each of the integration flows, choose the icon in the **Actions** column and choose **Configure**.
   Configure the **Sender** options as follows:

Property	Value
Sender	S4
Adapter Type	HTTPS
User Role	ESBMessaging.send

Configure the **Receiver** options as follows:

Property	Value
Receiver	SFSF
Adapter Type	HTTP

Property	Value
Address	https://{{sfsf_host}}/learning/odatav4/public/admin/user-service/v2/UserCourses (read-only field)
sfsf_host	SuccessFactors API host (for example, sfhub002275.lms.hr.cloud.sap)
Credential Name	The name created in the **Security Material**, see section [Set Up OAuth2 SAML Bearer Assertion in SAP Cloud Integration Connecting with SAP SuccessFactors SFAPI, step 15](#)

5. Choose **Save**.
6. Choose **Deploy**. The **Confirmation** screen is displayed.
7. On the **Confirmation** screen, choose **Yes**.
8. After validation, the **Deployment** screen is displayed.
9. Choose **OK**.

2.3.   Deploy the Integration Flows

If not already deployed after the previous step, carry out the following:

1. Log in to SAP Cloud Integration Web UI.
2. Choose **Design** in the navigation pane on the left and select **Integrations and APIs**.
3. Choose the previously copied package.
4. Navigate to the **Artifacts** tab.
5. For each of the integration flows, choose the icon in the **Actions** column and select **Deploy**.

These steps complete the configuration of the integration package.