



Integration Flow Configuration Guide

SAP TAULIA

DOCUMENT HISTORY

Version	Date	Change
1.0.0	2024-01-18	First version
2.0.0	2024-05-01	Support OAuth authentication
2.1.0	2026-04-01	Use generic IdP reference instead of IAS
2.2.0	2026-08-26	Externalize Allowed Header(s) field



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SUMMARY

The purpose of this document is to describe the general configuration steps required to manually set up the integration for SAP ERP or S/4HANA with Taulia cloud platform.

OVERVIEW

The Taulia integration flow connects your on-premise SAP ERP or SAP S/4HANA backend systems to the Taulia platform.

This package and integration flow will direct the flow of all Taulia API transactions from your back-end systems to the Taulia platform through SAP Integration Suite.

The integration flow is provided as an artifact in the integration package *SAP ERP and SAP S/4HANA Integration with Taulia* in SAP Cloud Integration, available on the **SAP Business Accelerator Hub** (<https://api.sap.com>). You can access the integration package from the catalogue page in the **Discover** section in the SAP Integration Suite.

PREREQUISITES

Before configuring the Taulia integration flow, please make sure the following prerequisites have been met:

1. The SAP Taulia solution has been activated or installed and configured on your backend on-premise system.
 - a. Please note the supported deployment models of SAP Taulia solution and the availability of the Taulia integration flow.

SAP System	SAP Deployment Model	Supported Components of SAP Taulia
ECC or S/4HANA	On-premise add-on	TAULIA and TAUCC, version 400 or higher Refer to OSS note 336387 for more details
S/4HANA	On-premise / Private cloud	S/4HANA 2025 SPF0 or higher

Note: The minimum backend on-premise system version supported is ECC 6.0.

2. Standard Authentication Prerequisites (Non-OAuth 2.0)
 - a. Access credentials are provided and configured in the Add-on to connect to the Taulia cloud platform. Contact your Taulia representative for more information.

Note: If OAuth2 authentication is configured in Integration Suite, this step is not needed.

3. The Taulia platform uses certificates signed by DigiCert, which are part of the SAP Global Trust List. Therefore, no manual certificate upload to the Cloud Integration Keystore is required.
However, please refer to step no. 4 to verify the connection. If the connectivity test fails due to a certificate error, you may then upload the required certificate(s) from the provided URL.
4. You can test the Taulia platform connection by navigating to the **Monitor** section and selecting the **Connectivity Tests** tile. Host names are as follows:

- a. For **Staging/Quality**: buyerintegration.staging.taulia.com
- b. For **Production (NA)**: buyerintegration.taulia.com
- c. For **Production (EU)**: buyerintegration-eu.taulia.com

CONFIGURATION

Note: Configuration for the Taulia integration flow in SAP Integration Suite is the same for SAP ERP and SAP S/4HANA backend on-premise system. All transactions are outbound from the backend system; therefore, Cloud Connector is not required.

Receiver authentication:

Type: OAuth2 Client Credentials

Taulia platform now supports OAuth2.0 authentication method. Customers who have access to an Identity Provider (IdP) such as SAP Cloud Identity Services, can configure the Taulia integration flow to use this feature. Please see below for more information.

Type: None

Selecting **None** indicates that the Taulia platform will use the standard authentication method (rather than OAuth 2.0). In this mode, Taulia platform uses the traditional approach by authenticating transactions based on the following two message header values passed by the caller.

- **API key** – which uniquely identifies the customer account
- **Signature** – is an encrypted string that is used to verify the shared secret key between the caller (backend) and Taulia cloud platform. Its purpose is to securely validate the customer's identify and intended API usage (via HTTP verb and target URL). This signature value is unique for each call.

These two values are generated automatically by the on-premise Add-on and no additional configuration is required in SAP Integration Suite.

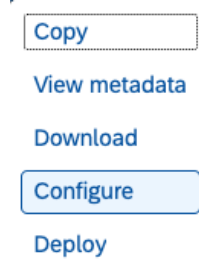
Note: When OAuth2 Client Credentials is being used, these two message headers are not required by Taulia platform for authenticating incoming calls.

Exception handling:

Our integration flow is a pass through and does not contain any customized exception handling. In case of timeout, the standard HTTP 500 timeout error will appear inside Cloud Integration Monitor. In case of payload size exceeding the limit, a standard HTTP 500 error will also appear inside Cloud Integration Monitor. In the backend system, the Add-on will detect HTTP errors and data will be retransmitted automatically (no data loss and no manual data reprocessing required).

The following steps cover how to set up and configure the Taulia integration flow for transactions to successfully flow from backend SAP system to Taulia Platform:

1. Logon to your SAP Cloud Integration tenant as an administrator.
2. Navigate to the **Discover** section to see all the published integration packages.
3. Select the following integration package and click *Copy*:
 - a. *SAP ERP and SAP S/4HANA Integration with Taulia*
4. Navigate to the **Design** section and click on the Taulia integration package.
5. Click on the **Artifacts** tab.
6. Click the **Actions** icon  next to the following integration flow and select **Configure**
 - a. *Integrate SAP ERP or SAP S4HANA to Taulia cloud platform*



7. Configure the following values if needed. Otherwise, use the default values

Runtime Configuration:

Parameter Name	Default Value	Remarks
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AllowedHeaders	x-tau.* Content-Type Accept Authorization	Default allows Taulia custom headers (x-tau.*) and standard HTTP headers (Content-Type, Accept, Authorization) Note: Set to .* to allow all headers
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SessionReuse	onIntegrationFlow	SAP Blog
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Sender:

Parameter Name	Default Value	Remarks
TransHandling	Not Required	SAP Blog
UserRole	ESBMessaging.send	You can define your own user role for the iFlow

Receiver:

Parameter Name	Default Value	Remarks
Authentication	None	
Credential Name	Not Required	Displayed if Authentication is set to OAuth
Timeout	60000	This is in milliseconds

Note:

- SAP Cloud Integration iFlow supports more than OAuth2, however, only OAuth2 Client Credential (other than None) is supported by Taulia.
- If you define a user role other than the default, you must create the role in *Manage User Roles* tile under the Monitor section. The role must also correspond to the service key created for your instance in your BTP Cockpit.

8. After you finish configuring the values, click on **Save** and then click **Deploy**.

9. After the integration flow is deployed, the integration endpoint can be found in the tile under **Monitor** section and under the **Manage Integration Content** heading.

The endpoint will look similar to the following:

https://<CI tenant>.hana.ondemand.com/http/TAUDIR_TO_Platform

10. You are now ready to test the integration

SET UP OAUTH2 AUTHENTICATION

This authentication method is optional. If you choose to use this authentication method, below are the recommended steps for setting it up.

Prerequisites:

1. You have obtained the OAuth client credentials including the Client ID, Client Secret, and the token generation URL
2. You have set up OAuth 2.0 Token Authentication in your Taulia platform Buyer Admin account to authenticate all API requests. Contact Taulia Support for additional assistance.

Create an OAuth Profile:

1. Inside Integration Suite, navigate to the **Monitor** section and click on tile **"Security Material"**
2. Click on **Create** and select **OAuth2 Client Credentials**
3. Enter the following information on the create screen:
 - a. Name
 - b. Description
 - c. Token Service URL (Your IdP's token generation endpoint)
 - d. Grant Type – select Send as Part of Body
 - e. Client ID
 - f. Client Secret
 - g. Client Authentication – select Send as Body Parameter

- h. Scope – leave blank
- i. Content Type – select application/x-www-form-urlencoded
- j. Resource – leave blank
- k. Audience – leave blank
- l. Custom Parameters – leave blank

Below is an example for reference:

Create OAuth2 Client Credentials

Name: *	<Tau_Staging_DEV001>
Description:	OAuth Profile for Taulia Staging
Token Service URL: *	https://<idp server>/<token path>
Grant Type:	Send as Part of Body ▼
Client ID: *	<client ID>
Client Secret: *	
Client Authentication:	Send as Body Parameter ▼
Scope:	
Content Type:	application/x-www-form-urlencoded ▼
Resource:	
Audience:	

Custom Parameters			Add	Delete
☐	Key	Value	Send as Part of	
No data				

Deploy Cancel

Note: This is dated March of 2026. The fields or names may change in the future.

4. Click on **Deploy**

Configure Receiver Connection in Integration Flow:

1. Navigate to the **Design** section and click on the **Taulia integration** package.
2. Click on the **Artifacts** tab.
3. Next to the following integration flow, click the **Actions** icon  and select **Configure**.
 - a. *Integrate SAP ERP or SAP S4HANA to Taulia cloud platform*
4. Go to the **Receiver** Tab
5. In the **Authentication** drop down, select **OAuth2 Client Credentials**
6. Enter the credential name that you created in above step

Configure "Integrate SAP ERP or SAP S4HANA to Taulia cloud platform"

Sender	Receiver	More
Connection		
Receiver:	Taulia	
Adapter Type:	HTTP	
Authentication:	OAuth2 Client Credentials	
Credential Name:	Basic	
Timeout (in ms):	OAuth2 Client Credentials	
	None	
	OAuth2 SAML Bearer Assertion	
	Client Certificate	

7. Click on **Save**
8. Click on **Deploy**
9. You are ready to test the integration using OAuth2 authentication

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