



Set-Up Instructions | PUBLIC

SAP S/4HANA

2020-09-17

Setting Up *Transfer of Bill of Materials for SAP Global Trade Services (24H)*

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1 Purpose

This document describes additional configuration steps for the SAP S/4HANA on-premise customer to setup the integration with their on-premise SAP Global Trade Services (GTS).

2 Preparation

2.1 Prerequisites

Before you start this configuration guide, check that the following are installed:

- SAP S/4HANA on-premise system
- SAP Global Trade Services (version 11) system

3 Configuration

The following sections describe all integration settings required for this scope item. These can be divided into the following main groups:

- Integration Setup in SAP S/4HANA on-premise
- Integration Setup in SAP Global Trade Services

3.1 Integration Setup in SAP S/4HANA On-Premise

The following integration setup activities must be performed in the SAP S/4HANA On-Premise system.

3.1.1 Define Logical System

Use

In this activity, you define the SAP GTS logical system.

i Note

If your SAP S/4HANA logical system has not been created, you can also use this activity to create it.

Procedure

1. Access the transaction using the following navigation option:
 ▶ [SAP NetWeaver](#) ▶ [Application Server](#) ▶ [IDoc Interface /Application Link Enabling \(ALE\)](#) ▶ [Basic Settings](#) ▶
 [Logical Systems](#) ▶ [Define Logical System](#) ▶
 Transaction Code: **BD54**
2. On the [Change View "Logical Systems": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Overview of Added Entries](#) screen, create the following entries and then choose [Save](#):

Field Name	Entry	Comment
<i>Logical System</i>	for example, using the standard naming convention: <system name>CLNT<client number>	Define the logical system for your SAP GTS system
<i>Name</i>	<name of logical system>	

3.1.2 Assign Logical System

Use

In this activity, you assign the logical system.

i Note

If your SAP S/4HANA system has the assigned logical system, skip this activity.

Procedure

1. Access the transaction using the following navigation option:
▶ [SAP NetWeaver](#) ▶ [Application Server](#) ▶ [IDoc Interface / Application Link Enabling \(ALE\)](#) ▶ [Basic Settings](#) ▶ [Logical Systems](#) ▶ [Assign Logical System to Client](#) ▶
Transaction Code: **SCC4**
2. On the [Display View "Clients": Overview](#) screen, choose [Display -> Change](#).
3. Double-click the line of for your SAP S/4HANA client.
4. On the [Change View "Clients": Details](#) screen, assign the created logical system of SAP S/4HANA in the [Logical System](#) field.
5. Save your changes.

3.1.3 Maintain RFC Destination

Use

In this activity, you maintain the RFC connection for the GTS system.

Procedure

1. Access the transaction using the following navigation option:
Transaction Code: /SAPSLL/MENU_LEGALR3
2. On the *SAP Global Trade Services* screen, choose ► *Basic Settings* ► *System Connection to GTS* ► *Maintain RFC Destinations for RFC Calls* ►.
3. On the *Configuration of RFC Connections* screen, choose *Create*.
4. On the *Create Destination* screen, enter the following data and then choose *Continue*:

Field Name	Entry Value	Comment
Destination	<ID of RFC destination to your SAP GTS system>	
Connection Type	3	

5. Choose the *Technical Settings* tab.
6. Make the following entries:

Field Name	Entry Value	Comment
Description 1	<RFC destination name>	
Target Host	<hostname of SAP GTS system>	
Instance No	<system number of SAP GTS system>	

7. Choose the *Logon & Security* tab.
8. Make the following entries:

Field Name	Entry Value	Comment
Client	<target client of SAP GTS>	
User	<RFC connection user>	
Password	<password of connection user>	

9. Choose *Save*.
10. Choose the *Connection Test* button to verify whether the connection is working. If the connection test is not successful, you need to do analysis and troubleshooting.

3.1.4 Maintain RFC Destination for Method Call

Use

In this activity, you maintain the RFC connection for the GTS system for method calls.

Procedure

1. Access the transaction using the following navigation option:
Transaction Code: /SAPSLL/MENU_LEGALR3
2. On the *SAP Global Trade Services* screen, choose ► *Basic Settings* ► *System Connection to GTS* ► *Maintain RFC Destinations for Method Calls* .
3. On the *Assign RFC Destinations for Synchronous Method Calls* screen, choose the logical system of the SAP GTS system from the list you can call from SAP S/4HANA.
4. To assign the RFC destination of the SAP GTS system for BAPIs, choose *Standard BAPI Destination*.
5. To assign the RFC destination of the SAP GTS system for dialogs, choose *Standard Dialog Destination*.
6. Choose *Save*.

3.1.5 Maintain ALE Distribution Model

Use

In this activity, you maintain the ALE distribution model.

Procedure

1. Access the transaction using the following navigation option:
Transaction Code: /SAPSLL/MENU_LEGALR3
2. On the *SAP Global Trade Services* screen, choose ► *Basic Settings* ► *System Connection to GTS* ► *Maintain ALE Distribution Model* .
3. On the *Display Distribution Model* screen, switch to the edit model.
4. On the *Change Distribution Model* screen, choose *Create Model View*.
5. On the *Create Model View* dialog box, enter the following data and choose *Continue*:

Field Name	Entry Value	Comment
Short Text	<for example, SAP GTS Integration>	
Technical Name	<for example, SLL-LEG>	

6. Select the model view and choose *Add BAPI*.
7. In the dialog box, make the following entries:

Field Name	Entry Value	Comment
Sender/client	<logical system of SAP S/4HANA>	

Field Name	Entry Value	Comment
Receiver/server	<logical system of SAP GTS>	
Object name/interface	CustomsDocumentIF	
Method	SynchronizelfR3	

8. Choose [Add BAPI](#) again.
9. In the dialog box, make the following entries:

Field Name	Entry Value	Comment
Sender/client	<logical system of SAP S/4HANA>	
Receiver/server	<logical system of SAP GTS>	
Object name/interface	CustomsDocumentIF	
Method	Display	

10. Choose [Save](#).

3.1.6 Activate BADIs

Use

In this activity, you activate the BADIs.

Note

This activity is only relevant for the [Compliance Management with SAP Global Trade Services](#) (24J) and [Customs Management with SAP Global Trade Services](#) (2U1) scope items. If the BADIs listed here are not activated, you need to activate them. Do not reactivate them again, and do not reactivate them in an attempt to deactivate the BADIs.

Procedure

1. Access the transaction using one of the following navigation options:
Transaction Code: [SPRO](#)
IMG Path: [SAP Customizing Implementation Guide](#) > [Integration with Other SAP Components](#) > [Integration with Governance, Risk, and Compliance](#) > [SAP Global Trade Services](#) > [Control Data for Transfer to SAP Global Trade Services](#) > [Technical Activation of Document Transfer](#)
2. For the [Compliance Management with SAP Global Trade Services](#) (24J) scope item, execute the following IMG activities:

- Activate Transfer of Purchasing Documents (MMOA)
 - Activate Transfer of Inbound Deliveries (MMOB)
 - Activate Transfer of Sales Documents (SDOA)
 - Activate Transfer of Outbound Deliveries (SDOB)
3. For the *Customs Management with SAP Global Trade Services* (2U1) scope item, execute the following IMG activities:
- Activate Transfer of Material Documents (MMOC)
 - Activate Transfer of Billing Documents (SDOC)
4. To get additional checks for the *Customs Management with SAP Global Trade Services* (2U1) scope item, access the transaction using one of the following navigation options:
Transaction Code: **SPRO**
IMG Path: ► *SAP Customizing Implementation Guide* ► *Integration with Other SAP Components* ► *Integration with Governance, Risk, and Compliance* ► *SAP Global Trade Services* ►
5. Execute the following IMG activities:
- Activate Hold of GI Posting If Export License Missing
 - Activate Hold of GR Posting from Inb. Delivery if No Unloading Permission

3.2 Integration Setup in SAP Global Trade Services

The following steps need to be performed in your SAP Global Trade Services system to set up the outbound communication from the SAP Global Trade Services system to the SAP S/4HANA system.

3.2.1 Maintain RFC Destination

Use

In this activity, you create the RFC destination to the SAP S/4HANA on-premise system.

Procedure

1. Access the transaction by choosing one of the following navigation options:

SAP Menu

► *Tools* ► *Administration* ► *Administration* ► *Network* ► *RFC Destinations* ►

2. On the *Configuration of RFC Connections* screen, choose *Create*.
3. On the *Create Destination* screen, make the following entries and choose *Continue*:

Field name	User action and values	Comment
<i>Destination</i>	<the ID of the RFC destination to SAP S/4HANA>	
<i>Connection Type</i>	3	

4. Choose the *Technical Settings* tab.
5. Make the following entries and choose *Save*:

Field name	User action and values	Comment
<i>Target Host</i>	<host name of SAP GTS>	
<i>Instance No</i>	<system number of SAP GTS>	

6. Choose the *Logon & Security* tab.
7. Make the following entries and choose *Save*:

Field name	User action and values	Comment
<i>Client</i>	<target client of SAP S/4HANA>	
<i>User</i>	<RFC connection user>	
<i>Password</i>	<password of connection user>	

8. To verify that the connection works, choose the *Connection Test* button. If the connection test is not successful, you must perform analysis and troubleshooting.

3.2.2 Define a Logical System

Use

In this activity, you define the logical system for the SAP S/4HANA Cloud system.

Procedure

1. To perform the activity in the SAP GTS system, choose one of the following navigation options:

IMG Menu  [SAP Global Trade Services](#)  [System Communication](#) 
[Define Logical System](#) 

Transaction Code	SPRO
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2. If the *Caution: The table is cross-client* dialog box displays, choose [Continue](#).
3. Choose [New Entries](#).
4. On the [New Entries: Overview of Added Entries](#) screen, make the following entries and then choose [Save](#):

Field Name	User Action and Values	Comment
Log.System	<ID of SAP S/4HANA on-premise system> (using the naming convention <system name>CLNT<client number>)	
Name	Name of the logical system	

3.2.3 Define Group of Logical Systems

Use

In this step, you create a new group of logical systems. If you decide to use an existing group, you can skip this step.

Procedure

1. Access the transaction choosing the following navigation option:

IMG  [SAP Global Trade Services](#)  [System Communication](#)  [Define Group of Logical Systems](#) 
menu

Trans- action Code	SPRO
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2. If the *Caution: The table is cross-client* dialog box displays, choose [Continue](#).

3. Choose *New Entries*.
4. On the *Change View "Logical System Group": Details* screen, make the following entries and choose *Save*:

Field name	User action and values	Comment
<i>Logical System Group</i>	<name of logical system group>	
<i>Description</i>	<description of logical system group>	
<i>Role of Logical System Group</i>	<role of logical system group>	

3.2.4 Assign Logical System to a Group of Logical Systems

Use

In this step, you assign the logical system to the logical system group.

Procedure

1. Access the transaction choosing the following navigation option:

IMG ► SAP Global Trade Services ► System Communication ► Assign Logical System to a Group of Logical Systems ►

Trans-
action
Code **SPRO**

2. If the *Caution: The table is cross-client* dialog box displays, choose *Continue*.
3. Choose *New Entries*.
4. On the *Change View "Logical System Grouping: Assign Logical System": Details* screen, make the following entries and choose *Save*:

Field name	User action and values	Comment
<i>Logical System</i>	<logical system of SAP S/4HANA system>	

Field name	User action and values	Comment
<i>Logical System Group</i>	<logical system group>	

3.2.5 Maintain RFC Destinations for Method Calls

Use

In this step, you assign RFC destinations for method calls in the SAP GTS system.

Procedure

1. In the *Command* field, enter **/SAPSLI/MENU_LEGAL** and press .
2. On the *SAP Global Trade Services* screen, in the *System Administration* area, choose *System Communication*.
3. On the *System Administration: System Communication* screen, from the *System Connection* area, choose *Maintain RFC Destinations*.
4. On the *Assign RFC Destinations for Synchronous Method Calls* screen, choose the logical system of the SAP S/4HANA system.
5. Choose *Standard BAPI destination*.
6. In the *Assign RFC Destinations for Synchronous Method Calls* dialog box, make the following entries and then choose *Continue*:

Field name	User action and values	Comment
<i>RFC destination for BAPI calls</i>	<RFC destination connection of SAP S/4HANA system>	



7. Choose *Save*.

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