



Set-Up Instructions | PUBLIC

SAP S/4HANA

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Setting Up *Preference Management with SAP Global Trade Services (3JX)*

Content

| | | |
|----------|--|-----------|
| 1 | Purpose. | 3 |
| 2 | Prerequisites. | 4 |
| 3 | Configuration. | 5 |
| 3.1 | Integration Setup in SAP S/4HANA On-Premise. | 5 |
| | Define Logical System. | 5 |
| | Assign Logical System. | 6 |
| | Maintain RFC Destination. | 6 |
| | Maintain RFC Destination for Method Call. | 8 |
| | Maintain ALE Distribution Model. | 8 |
| | Activate BADIs. | 9 |
| 3.2 | Integration Setup in SAP Global Trade Services. | 10 |
| | Maintain RFC Destination. | 10 |
| | Define a Logical System. | 11 |
| | Define Group of Logical Systems. | 12 |
| | Assign Logical System to a Group of Logical Systems. | 13 |
| | Maintain RFC Destinations for Method Calls. | 13 |
| 4 | Appendix. | 15 |
| 4.1 | Ticket Component. | 15 |

1 Purpose

This document describes additional configuration steps that you must carry out in the productive system on customer site to setup the integration with the on-premise SAP Global Trade Services (GTS). As these configuration steps are company-specific, they cannot be delivered by SAP, and must be carried out by the company setting up the SAP solution.

2 Prerequisites

Before you start this configuration guide, check your SAP S/4HANA on-premise system and SAP Global Trade Services (version 11) system are installed.

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 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 |
| Transaction Code | SM59 |

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.

3.1.4 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: /SAPSLI/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: /SAPSLI/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> | |
| 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

You need to check if the following required BADIs are activated, if not, please activate it. If it's activated, please don't execute it again to deactivate it.

1. In the <S/4HANA> system, go to the implementation guide (IMG) and choose [<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. Execute the following IMG activities:
 - Activate Transfer of Purchasing Documents (MMOA)
 - Activate Transfer of Material Documents (MMOC)
 - Activate Transfer of Sales Documents (SDOA)
 - Activate Transfer of Billing Documents (SDOC)

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 ▮ |
| Transaction Code | SM59 |

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> | |

- Choose the [Logon & Security](#) tab.
- Make the following entries and choose [Save](#):

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

- 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

- 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 |

- If the *Caution: The table is cross-client* dialog box displays, choose [Continue](#).
- Choose [New Entries](#).
- 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 nam- ing convention <system name>CLNT<client number> | |

| Field Name | User Action and Values | Comment |
|-------------|-----------------------------------|---------|
| <i>Name</i> | 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- **SPRO**
action
Code

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> | |
| <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*.

4 Appendix

4.1 Ticket Component

In case of issues during the configuration, open an SAP support ticket for the following component.



| Implementation Step | Component | Comment |
|---------------------|-------------|---------|
| 3.1-3.2 | SLL-ITR-CNT | |

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