

# SAP Document and Reporting Compliance for China Outgoing VAT Invoice: Configurations in SAP S/4 HANA Cloud Public Edition and SAP S/4HANA

This document lists the required setup steps that you must perform in your SAP S/4HANA Cloud Public Edition and SAP S/4HANA systems.

## 1. Prerequisites

### 1.1 Enable China Incoming VAT Invoice Management Solution

You have enabled the China Outgoing VAT Invoice Management solution in SAP Document and Report Compliance.

### 1.2 Register with Partner

You have registered with a partner to use its APIs for communicating with the Golden Tax Service.

## 2. Configuration Steps in SAP S/4HANA Cloud Public Edition

### Context

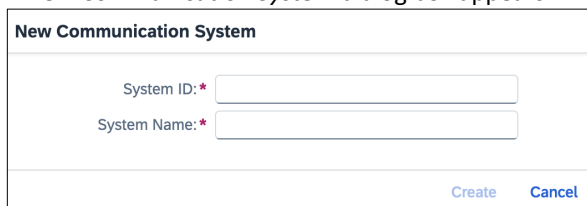
Your SAP Integration suite tenant acts as a bridge between your SAP S/4HANA Cloud Public Edition tenant and the partner. SAP S/4HANA Cloud Public Edition sends VAT invoice XML files to SAP Integration suite, which then forwards the XML files to the partner. SAP Integration suite also forwards the validation statuses of the XML files back to SAP S/4HANA Cloud Public Edition.

Proceed steps below to set up the communication between SAP S/4HANA Cloud Public Edition and SAP Integration Suite:

- Create a communication system that represents your SAP Integration suite tenant with business role **SAP\_BCR\_CORE\_COM**.
- Create a communication arrangement that describes the communication between SAP S/4HANA Cloud Public Edition tenant and SAP Integration suite tenant.

### Procedure

1. Log on to **SAP Fiori launchpad**.
2. Open the app **Communication Systems**. Choose **New** at the bottom right corner of the browser window. A *New Communication System* dialog box appears.



The screenshot shows a dialog box titled "New Communication System". It contains two input fields: "System ID: \*" and "System Name: \*". At the bottom right, there are two buttons: "Create" and "Cancel".

3. Enter a system ID, system name, and choose **Create**. An editing screen for the communication system appears.
4. Under the *Technical Data* section, enter the host name, port, authorization endpoint, and token endpoint of your SAP integration suite tenant.

5. Under the *Users for Inbound Communication* section, choose the **Add** icon.

6. In the *New Inbound Communication User* dialog box, choose an authentication method and enter the *OAuth 2.0 Client ID*. We suggest choosing *OAuth 2.0* as the authentication method, you can also use other authentication methods.

7. **Save** the communication system.
8. Open the app **Communication Arrangements**. Choose **New** at the bottom right corner of the browser window.
9. In the pop-up *New Communication Arrangement* dialog box, maintain the scenario ID "SAP\_COM\_0577", and enter an arrangement name, then choose **Create**. An editing screen for the communication arrangement appears.

## New Communication Arrangement

Scenario: \*  
SAP\_COM\_0577

Arrangement Name:  
SAP\_COM\_0577

Create Cancel

10. Under the *Common Data* section, select the communication system you created. Then, the *OAuth 2.0 Client ID* Under the *Outbound Communication* section, the *Port* and *Service URL* under the *Outbound Services* section are automatically filled with the value you configured in the communication system. You need to enter the *Path /http/IssueEndpoint* for *Issue Outgoing China VAT Invoice*, and the *Path /http/QueryEndpoint* for *Query Outgoing China VAT Invoice*.

< SAP Communication Arrangements >

### SAP\_COM\_0577

Scenario ID: SAP\_COM\_0577 Draft Last Changed By: Example Administrator Editing Status: Draft  
Scenario: Outgoing China VAT Invoice Integration Draft Last Changed On: 03/21/2025, 06:26:55

**Common Data**

Arrangement Name: SAP\_COM\_0577 Own SAP Cloud System: 0LEUVE2  
Communication System: \* [ ] Display API-URL: [ ]

**Outbound Communication** [Download](#) [Supported Authentication Methods](#)

OAuth 2.0 Client ID: \* [ ] Authentication Method: OAuth 2.0  
Additional Scope: [ ]

**Outbound Services**

Issue Outgoing China VAT Invoice

Service Status:  Active Path: /http/IssueEndpoint  
Application Protocol: HTTP Service Service URL: https:// [ ]  
Port: [ ]

Query Outgoing China VAT Invoice

Service Status:  Active Path: /http/QueryEndpoint  
Application Protocol: HTTP Service Service URL: https:// [ ]  
Port: [ ]

11. **Save** the communication arrangement.

## 3. Customizing Activities in SAP S/4HANA

### Procedure

1. You make the following settings in Customizing for **Sales and Distribution**, under **Billing -> Billing Documents -> Country/Region-Specific Features -> Country-Specific Features for China**.
  - **Define GTI Tax Invoice Keys**  
Create a new entry with the file type "Standard Direct Connection (HTTP)". You can also change the file type of an existing entry.
  - **Configure Tax Entities and Terminals**

- a. Create a new entry with the entity type "Legal Taxpayer", enter the unified social credit code and issuer name.
  - b. Choose the entry created and go to the **Terminal Configuration**.
  - c. Enter the terminal ID and terminal description. You can find the terminal ID in partner platform.
2. Run transaction code SM59 to create two RFC destinations.
- a. Choose **Create**.
  - b. Enter the destination for sending data to partner, for example, **Z\_CONN\_GTI\_SENDINVOICE** and choose the connection type "G HTTP connection to external server".
  - c. Choose **Continue** and go to the **Target System Settings** section under the **Technical Settings** tab.

**SAP RFC Destination Z\_CONN\_GTI\_SENDINVOICE**

Connection Test

RFC Destination: Z\_CONN\_GTI\_SENDINVOICE

Connection Type: G HTTP Connection to External Server

**Description**

Description 1: Send Invoice

Description 2:

Description 3:

Administration **Technical Settings** Logon & Security Special Options

**Target System Settings**

Host:  Port:

Path Prefix: /http/IssueEndpoint

- d. Enter the host, port of your SAP Integration suite tenant, and the path prefix **"/http/IssueEndpoint"**.
- e. Switch to the **Logon & Security** tab, maintain the authentication method and save.  
 Note: If you use the authentication method OAuth 2.0, you need to generate the OAuth 2.0 Client Profile **IDGT\_OAUTH\_PROFILE** and enable OAuth 2.0 in the BADl **"IDGTCN\_OB\_ADJUST\_CONFIG"**.

**SAP RFC Destination Z\_CONN\_GTI\_SENDINVOICE**

Connection Test

RFC Destination: Z\_CONN\_GTI\_SENDINVOICE

Connection Type: G HTTP Connection to External Server

**Description**

Description 1: Send Invoice

Description 2:

Description 3:

Administration Technical Settings **Logon & Security** Special Options

**Logon Procedure**

**Logon with User**

Do not use a user  **Basic authentication**  OAuth Settings

User: sb-5526f495-825f-44b1-8c2b-c214dfed4..

PW Status: saved

Password:

- f. Repeat the above steps to create the other destination for querying golden tax invoices from the partner, for example, **Z\_CONN\_GTI\_QUERYINVOICE**. Enter the path prefix **"/http/QueryEndpoint"**.

**SAP RFC Destination Z\_CONN\_GTI\_QUERYINVOICE**

Connection Test

RFC Destination: Z\_CONN\_GTI\_QUERYINVOICE

Connection Type: G HTTP Connection to External Server

**Description**

Description 1: Query Invoice

Description 2:

Description 3:

Administration [Technical Settings](#) Logon & Security Special Options

**Target System Settings**

Host: Port:

Path Prefix: /http/QueryEndpoint

3. Run transaction code SM30 to create two new entries in the view "EIV\_CONF\_CONN\_V", with the following information:
- Set your unified social credit code and terminal ID as primary keys.
  - Choose "HTTP" as the access mode.
  - Choose the call methods and enter the corresponding RFC destinations.
    - Choose **Standard Call of Issuing Invoice** as the call method of the RFC destination **Z\_CONN\_GTI\_QUERYINVOICE**.
    - Choose **Standard Call of Issuing Invoice** as the call method of the RFC destination **Z\_CONN\_GTI\_SENDINVOICE**.

See below screenshot as an example:

Maintenance view: Tax Registration No.Conn. configuration

Unified Social Credit Code	Terminal ID	Call Meth.	AccessMode	Logical Port	RFC Destination
342293847777	KPYUAN003	Standard Call of Issuing Invoice	HTTP		Z_CONN_GTI_SENDINVOICE
342293847777	KPYUAN003	Standard Call of Fetching Invoice Details	HTTP		Z_CONN_GTI_QUERYINVOICE