



INTERNAL – Authorized for SAP Customers  
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# **Hungary Invoice Registration: Setting up SAP Integration Suite (SAP ERP, SAP S/4HANA) - Cloud Foundry environment**

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# 1 Introduction

You use SAP Integration Suite to establish the communication with external systems with whom you want to exchange electronic documents created with SAP Document and Reporting Compliance. This document lists the required setup steps you perform in the SAP ERP or SAP S/4HANA system\* and the SAP Integration Suite tenant so that the integration between the systems works.

The setup steps are typically done by an SAP Integration Suite consulting team, which is responsible for configuring the SAP back-end systems and the connection with SAP Integration Suite. This team may be also responsible for maintaining the integration content and certificates/credentials on the SAP Integration Suite tenant.

## 📘 Note

Although the service name **SAP Integration Suite** is used in the guide title and throughout the guide, this guide **also applies to SAP Cloud Integration running in the Cloud Foundry environment**. If you were onboarded before July 2020, the service you use is SAP Cloud Integration. The initial setup steps for the two services are different, while the integration flow settings and configuration steps in your back-end system are the same. See the **Prerequisites** section for their respective initial setup steps.

## 📘 Note

This document describes functionality that is provided by the Integration Package itself, that is, by the artifacts that are deployed in the SAP Integration Suite tenant. It may happen, however, that in the SAP back-end systems the access to such functionality is only partially implemented. Additionally, it may also happen that the tax authority servers do not provide all services that are described in this document. Please refer to the relevant SAP back-end systems documentation and to the relevant tax authority information, respectively.

For the sake of simplicity in this guide, we mention SAP back-end systems when something refers to both SAP ERP or SAP S/4HANA.

## 2 Prerequisites

Before you start with the activities described in this document, ensure that the following prerequisites are met.

1. You have installed in the test and productive systems all necessary SAP Notes for the Document and Reporting Compliance Solution.
2. You have set up your tenant as follows:
  - If you have subscribed to Process Integration, perform all the initial setup steps described in [Initial Setup of SAP Cloud Integration in Cloud Foundry Environment](#).
  - If you have subscribed to Integration Suite, perform all the initial setup steps described in [Initial Setup](#).

### 📌 Note

SAP Document and Reporting Compliance requires the **Cloud Integration capability**. You need to activate this capability in the step **Provisioning the Capabilities**.

## 2.1 Setup Steps in SAP Integration Suite

### 2.1.1 Deploy Security Material for SAP Integration Suite

To establish a connection between the SAP Integration Suite and tax authority servers, you must obtain several security materials, and then add them to the SAP Integration Suite tenant.

#### 2.1.1.1 Add Credentials for Authenticating Tenant at Tax Authority

SAP Integration Suite uses a user credential to authenticate the communication with external systems.

For the Hungary Invoice Registration scenario, you must include credential(s) that are recognized by the tax authority (National Tax and Customs Administration of Hungary, NAV). A user credential is specific to a technical user registered in the Online Invoicing System of the tax authority.

You need to add and deploy your user credentials as [User Credentials](#) in the [Security Material](#) section of your SAP Integration Suite tenant.

Overview

Monitor Message Processing

All Integration Flows Past Hour <b>0</b> Messages	All Integration Flows Past Hour <b>0</b> Failed Messages	All Integration Flows Past Hour <b>0</b> Error Messages	All Integration Flows Past Hour <b>0</b> Retry Messages	All Integration Flows Past Hour <b>0</b> Completed Messages	+
---------------------------------------------------------	----------------------------------------------------------------	---------------------------------------------------------------	---------------------------------------------------------------	-------------------------------------------------------------------	---

Manage Integration Content

All <b>209</b> All	All <b>193</b> Started	All <b>14</b> Error	+
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Manage Security

<b>38</b> Artifacts	Keystore <b>202</b> Entries	Certificate-to-User Mappings <b>1</b> Artifacts	Connectivity Tests
------------------------	-----------------------------------	-------------------------------------------------------	--------------------

SAP Cloud Integration

Overview / Manage Security Material

Security Material (164)

Filter by Name or Deployed By

Name	Type	Status	Deployed By	Deployed On
...	...	...	...	...
...	...	...	...	...
...	...	...	...	...

Create Upload

- User Credentials
- OAuth2 Client Credentials
- OAuth2 SAML Bearer Assertion
- OAuth2 Authorization Code
- Secure Parameter

## Create User Credentials

Name: \*

Description:

Type: \* **User Credentials**

User: \*

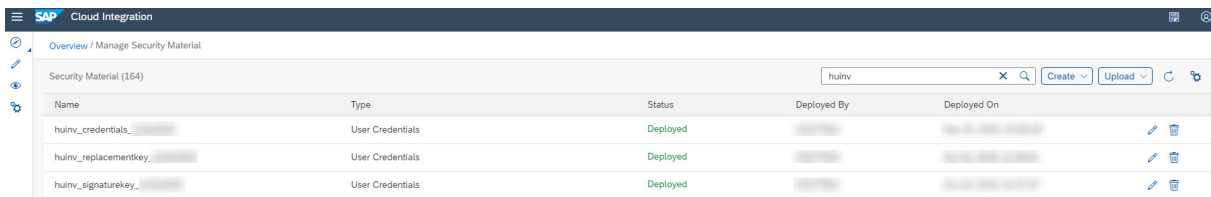
Password:

Repeat Password:

Deploy Cancel

## Note

Use the name/alias of **huinv\_credentials\_<tax id of company/supplier>**, where **<tax id of company/supplier>** is your company's or your supplier's VAT Identity Number. This VAT Identity Number is an eight-digit number, for example, 12345678. Your supplier's VAT Identity Number is used in the self-billing scenario. In this scenario, a company registers invoices on behalf of its suppliers. From the technical point of view, one technical user per supplier is sufficient. A password of a technical user is not the same password as the primary user of the NAV account. Every technical user has a different password. The password is assigned upon creation of the technical user in the NAV online portal.



The screenshot shows the SAP Cloud Integration 'Manage Security Material' interface. It displays a table with columns: Name, Type, Status, Deployed By, and Deployed On. The table contains three rows of 'User Credentials' that are 'Deployed'. The names are partially obscured by redaction boxes.

Name	Type	Status	Deployed By	Deployed On
huinv_credentials_...	User Credentials	Deployed	...	...
huinv_replacementkey_...	User Credentials	Deployed	...	...
huinv_signaturekey_...	User Credentials	Deployed	...	...

## 2.1.1.2 Add Signature Key and Replacement Key

You will get a signature key and a replacement key for a technical user in the tax authorities' Online Invoicing System. The signature key is required for signing messages. The replacement key is required for the server-side encoding and client side decoding of the data report token.

You need to add and deploy the signature key and the replacement key as User Credentials in the Security Material section of your SAP Integration Suite tenant.

## Note

The name/alias has the following format:

- huinv\_signaturekey\_<tax id of company/supplier>
- huinv\_replacementkey\_<tax id of company/supplier>, where <tax id of company/supplier> is your company's or your supplier's VAT Identity Number.

After completing the **Name** field, please enter a technical user name to the **User** field, and enter a key to the **Password** field.

For example, you need to maintain a credential, a signature key and a replacement key per technical user as follows:

- Name: huinv\_credentials\_12345678
- Description: free text
- User: technical NAV user
- Password: password
- Name: huinv\_signaturekey\_12345678
- Description: free text
- User: technical NAV user (same as in huinv\_credentials\_12345678)

- Password: signaturekey

Same for replacement key

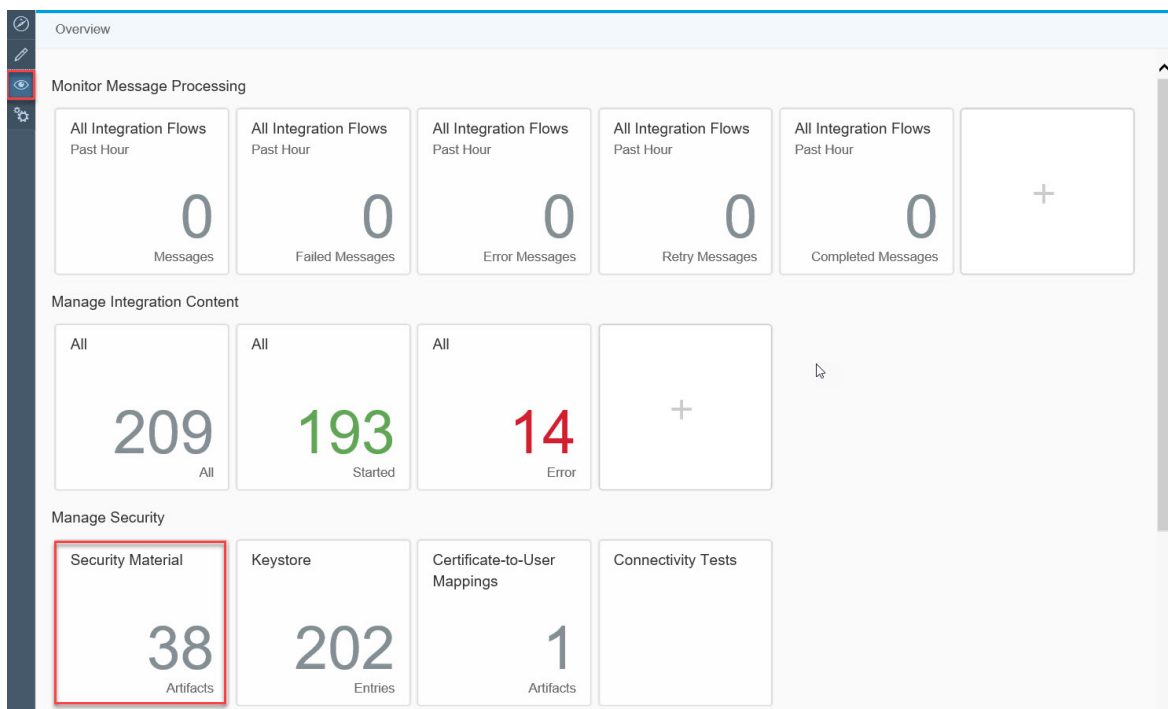
- Name: huinv\_replacementkey\_12345678
- Description: free text
- User: technical NAV user (same as in huinv\_credentials\_12345678)
- Password: replacementkey

### 2.1.1.3 Adding Credentials for Sending Requests to an Integration Flow

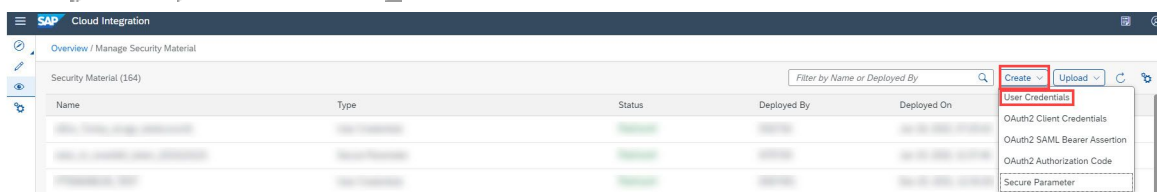
You want to add credentials for sending request from the integration flow *eDocument Hungary Invoice Registration - Receive Invoice* to the integration flow *eDocument Hungary Invoice Registration - Store Invoice*.

#### Procedure

1. Choose *Security Material*.



2. Select **Create** > *User Credentials*.



3. For *Name*, enter the value for the `clientid` and for Password, enter the value `clientsecret`, and select *Deploy*.

### Create User Credentials

---

Name: *	<input type="text"/>
Description:	<input type="text"/>
Type: *	User Credentials <span>▼</span>
User: *	<input type="text"/>
Password:	<input type="password"/>
Repeat Password:	<input type="password"/>

---

[Deploy](#) [Cancel](#)

#### Note

The user must have the role `ESBMessaging.send`.

## 2.1.2 Deploy SSL Certificate of the Tax Authorities

To establish an SSL connection to the tax authorities' server, SAP Integration Suite needs to trust the SSL certificate from the tax authorities' servers; to achieve this, you must download the **root certificate** of the entire certificate chain from the server and upload it to the SAP Integration Suite tenant. You can refer to the tax authorities' sites or the relevant governmental support teams to obtain the root certificate of the certificate chain.

Another option is to use third-party software, that has the capability of examining and downloading site certificates, like browsers or key store explorers. The URLs for the respective environment are as follows:

- For test, refer to <https://api-test.onlineszamla.nav.gov.hu>.
- For production, refer to <https://api.onlineszamla.nav.gov.hu>.

The exact procedure of the SSL certificate downloading depends on the third-party software and the operating system that you use, for example,

- In the 66th version of Chrome for MS Windows, SSL certificates are accessible via the *View* button, under *Security* tab of the *Developer Tools*.
- In the KeyStore Explorer, the certificates can be accessed via menu path **Examine > Examine SSL**.



#### Note

Importing the whole chain of trust as a trust anchor in SSL is not necessary, the verification will end up checking the root certificate if checking of end-entity certificate and intermediate certificate in the

chain of trust fail. SSL trust should be established through the long-lived root certificate of the public key infrastructure (PKI). In case of configuring trust using the long-lived root certificate, configured communication scenarios will continue to work even when the end-entity/server certificates are updated or replaced. The end-entity/server certificates are updated or replaced because sometimes there could be a suspected or real security-breach on one of those servers, or sometimes because of simple end-entity/server certificate expiration.

## 2.2 Set Up a Secure Connection

To establish a connection between the SAP back-end systems and the SAP Integration Suite tenant, you establish a trustworthy SSL connection. Please refer to the documentation for system transaction STRUST regarding the certificate deployment to SAP back-end systems. In case of issues, refer to the following SAP Notes:

- [2368112](#)  Outgoing HTTPS connection does not work in AS ABAP
- [510007](#)  Setting up SSL on Application Server ABAP

For more information, see [Operating and Monitoring Cloud Integration](#).

### 2.2.1 Prerequisites for SOA Management

You have checked the implementation information in the overview SAP Note for eDocument for Hungary:

- [2637574](#)  "eDocument Hungary - Invoice Registration: Installation Overview Note".

# 3 Configuration Steps in SAP Integration Suite

The following sections tell you the necessary configuration you do in SAP Integration Suite.

[General Information \[page 10\]](#)

[Copy Published Package \[page 11\]](#)

[Configuring Integration Flow \[page 11\]](#)

[Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice \[page 15\]](#)

You configured the integration flow *eDocument Hungary Invoice Registration - Receive Invoice* and want to add the tenant URL and tenant credentials.

## 3.1 General Information

The package **SAP Document and Reporting Compliance: Electronic Invoice Registration for Hungary** contains the following integration flows:

Integration flows for eDocument for Hungary

Integration Flow Name in WebUI	Project Name/Artifact Name
eDocument Hungary Invoice Registration - Get Status	com.sap.GS.Hungary.InvoiceRegistration.GetStatus
eDocument Hungary Invoice Registration - Manage	com.sap.GS.Hungary.InvoiceRegistration.ManageInvoice
eDocument Hungary Invoice Registration - Receive Invoice	com.sap.GS.Hungary.InvoiceRegistration.ReceiveInvoice
eDocument Hungary Invoice Registration - Store Invoice	com.sap.GS.Hungary.InvoiceRegistration.StoreInvoice
eDocument Hungary Invoice Registration - Manage Technical Annulment	com.sap.GS.Hungary.InvoiceRegistration.ManageAnnulment

**Parent topic:** [Configuration Steps in SAP Integration Suite \[page 10\]](#)

## Related Information

[Copy Published Package \[page 11\]](#)

[Configuring Integration Flow \[page 11\]](#)

[Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice \[page 15\]](#)

## 3.2 Copy Published Package

1. In the *Discover* chapter of your tenant, select the package *SAP Document and Reporting Compliance: Electronic Invoice Registration for Hungary*.
2. Select the package and click *Copy* in the upper right corner.

**Parent topic:** [Configuration Steps in SAP Integration Suite \[page 10\]](#)

### Related Information

[General Information \[page 10\]](#)

[Configuring Integration Flow \[page 11\]](#)

[Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice \[page 15\]](#)

## 3.3 Configuring Integration Flow

### Context





This step must be executed for the package that was copied as described in Chapter [Copy Published Package \[page 11\]](#).

### Procedure

1. Go to the integration package that was copied from the original *SAP Document and Reporting Compliance: Electronic Invoice Registration for Hungary*.
2. Click the *Artifacts* tab.
3. Click on Actions button that corresponds to integration flows *eDocument Hungary Invoice Registration - Get Status*, *eDocument Hungary Invoice Registration - Manage*, *eDocument Hungary Invoice Registration - Receive Invoice*, and *eDocument Hungary Invoice Registration - Manage Technical Annulment*.

This integration package provides content required to integrate SAP Cloud Integration with SAP Document and Reporting Compliance and external system. Vendor: SAP Mode: Editable  
Version: 3.2.0

Overview Artifacts (4) Documents (5) Tags

Name	Type	Version	Actions
<input type="checkbox"/> eDocument Hungary Invoice Registration - Get Status Get status of invoice registrations; receive the application response Unmodified	Integration Flow	3.1.0	 >
<input type="checkbox"/> eDocument Hungary Invoice Registration - Manage Send or cancel invoice registrations; receive the application response with the transaction ID Unmodified	Integration Flow	3.1.1	 >
<input type="checkbox"/> eDocument Hungary Invoice Registration - Receive Invoice Receive and store invoice from the exchange system (NAV). Pull or delete invoices from the datastore. Created	Integration Flow	1.0.10	 >
<input type="checkbox"/> eDocument Hungary Invoice Registration - Store Invoice Store invoices from NAV to datastore Created	Integration Flow	1.0.10	 >

Copy  
View metadata  
Download  
Configure  
Deploy

### Note

The version of the integration on the screenshot may differ from the current one.

4. Choose *Configure* and maintain the following configuration parameters: .

Sender tab

Make the following settings:

Use the `Address` parameter if you would like to follow your own naming convention.

Configure "eDocument Hungary Invoice Registration - Manage"

Sender More

Sender: ERP

Adapter Type: SOAP

Connection

Address: /Hungary/ManageInvoice

Authorization: User Role

User Role: ESBMessaging.send

Select

Note

A connection address has to be unique within a tenant.

Select the required authorization (*User Role* or *Client Certificate*) that has been configured for the connection between your ERP system and the tenant:

- For the *User Role* authorization, select relevant user role (e.g. `ESBMessaging.send`).

Configure "eDocument Hungary Invoice Registration - Manage"

Sender More

Sender: ERP

Adapter Type: SOAP

Connection

Address: /Hungary/ManageInvoice

Authorization: User Role

User Role: ESBMessaging.send

Select

- For the *Client Certificate* authorization, provide certificate credentials.

Configure "eDocument Hungary Invoice Registration - Manage"

Sender More

Sender: ERP

Adapter Type: SOAP

Connection

Address: /Hungary/ManageInvoice

Authorization: Client Certificate

Subject DN

Issuer DN

Select

More tab

### Note

In some versions may also have title *Parameters*.

Make the following settings:

### Note

The layout under this menu tab may differ from the screenshot provided.

- Use the `usageMode` parameter to set up the integration package usage mode:

Sender **More**

Type: All Parameters

logMode: YES

Request\_Version: 3.0

usageMode: TEST

Value	Description
TEST	To use test system of the tax authority.
PROD	To use productive (i.e. legally binding) system of the tax authority.

- Use the `Request_Version` parameter to set up the version of the integration flow:

Sender **More**

Type: All Parameters

logMode: YES

Request\_Version: 3.0

usageMode: TEST

- Use the `logMode` parameter to enable or disable the logging of the integration flow:

Sender **More**

Type: All Parameters

logMode: YES

Request\_Version: 3.0

usageMode: TEST

- Select [Save](#) to save your configurations and [Deploy](#) to deploy it actively to server, respectively.

### Note

Depending on the version of your tenant version, after pressing these buttons, a screen with warning messages can appear (see example below). You can ignore them by pressing the [Close](#) button. The first two warnings are related to the payload attachments; currently the invoice registration process does not support or require message attachments (e.g. scanned copies of invoices) in any stage of processing and communication.

Severity	Description	Location
▲	NonLoopingProcess drops attachment in payload from SOAP 1.x Sender. NonLoopingProcess does not support payload attachment.	Process Call [CallActivity_10]
▲	NonLoopingProcess drops attachment in payload from SOAP 1.x Sender. NonLoopingProcess does not support payload attachment.	Process Call [CallActivity_4]
▲	Process Call may not pass Xml message to XSLT Mapping. XSLT Mapping supports Xml input only.	Modify Response [CallActivity_16]

## Next Steps

To complete the configuration for the integration flow *eDocument Hungary Invoice Registration - Receive Invoice*, you must include the tenant URL and tenant credentials. For more information, check [Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice \[page 15\]](#).

**Task overview:** [Configuration Steps in SAP Integration Suite \[page 10\]](#)

## Related Information

[General Information \[page 10\]](#)

[Copy Published Package \[page 11\]](#)

[Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice \[page 15\]](#)

## 3.4 Configuring Tenant Parameters for eDocument Hungary Invoice Registration - Receive Invoice

You configured the integration flow *eDocument Hungary Invoice Registration - Receive Invoice* and want to add the tenant URL and tenant credentials.

### Prerequisites

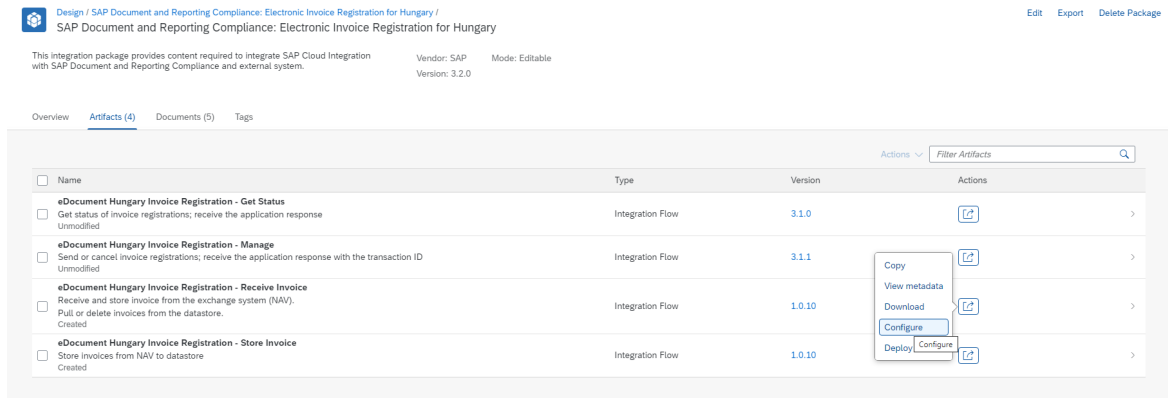
You made the required configurations, check [Configuring Integration Flow \[page 11\]](#).

### Context

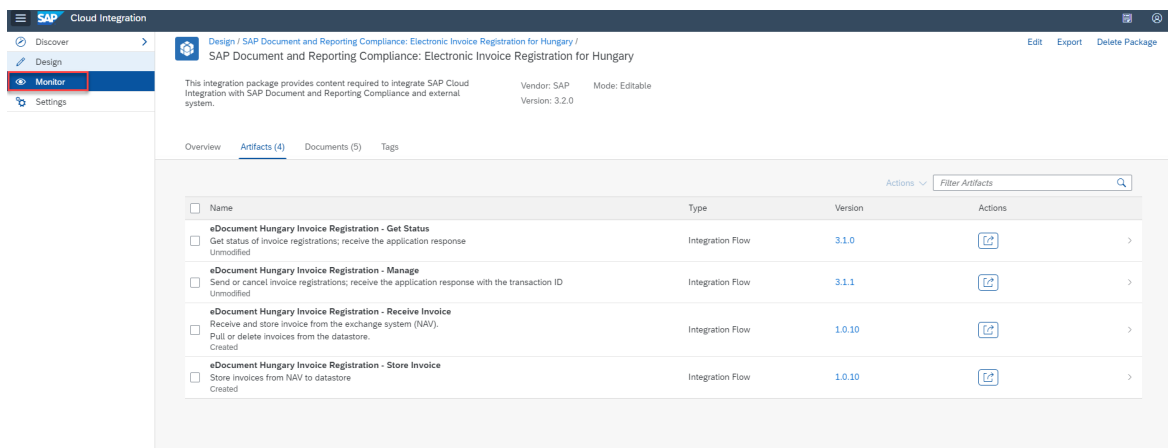
Use the following instructions to find and maintain the correct tenant URL for the integration flow *eDocument Hungary Invoice Registration - Receive Invoice*.

## Procedure

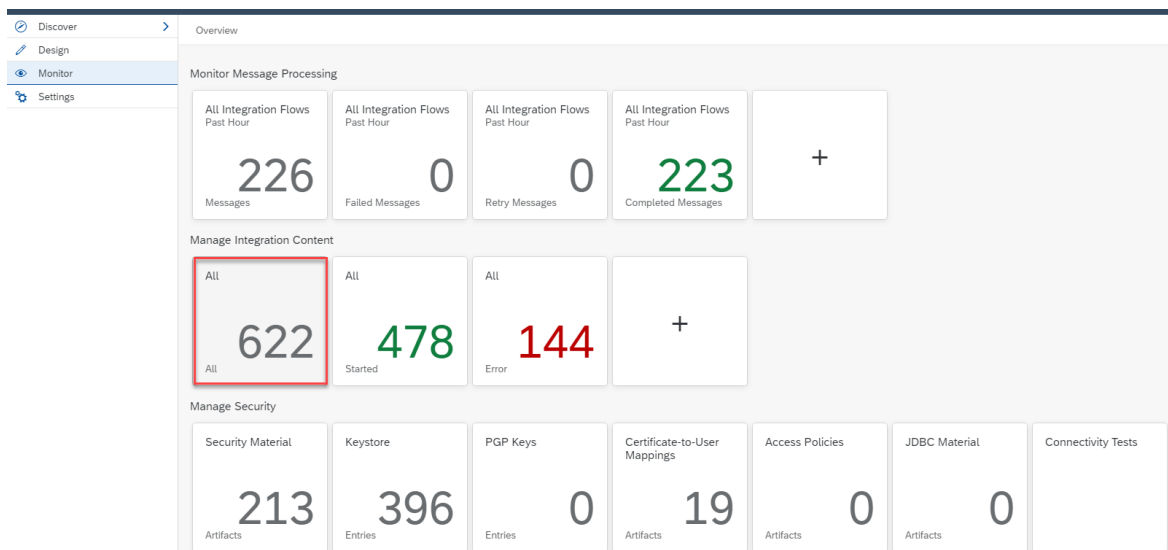
1. Go to the integration package that was copied from the original *SAP Document and Reporting Compliance: Electronic Invoice Registration for Hungary*.



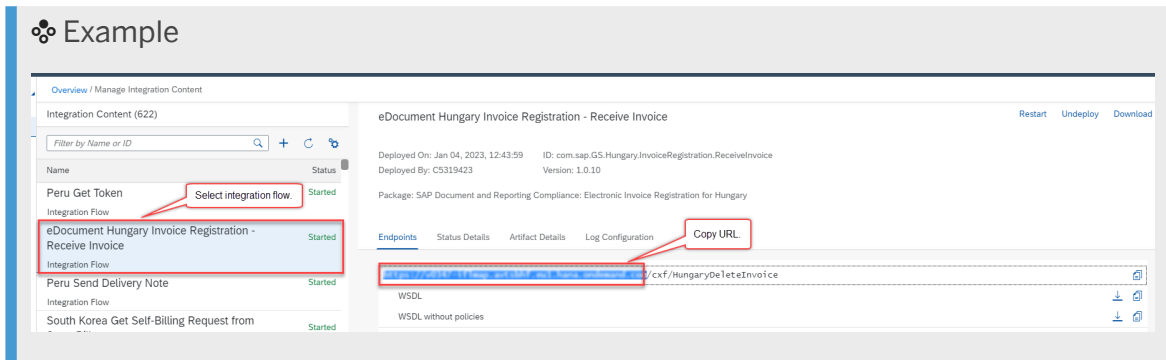
2. Select the *Monitor* button.



3. Choose *Manage Integration Content*.



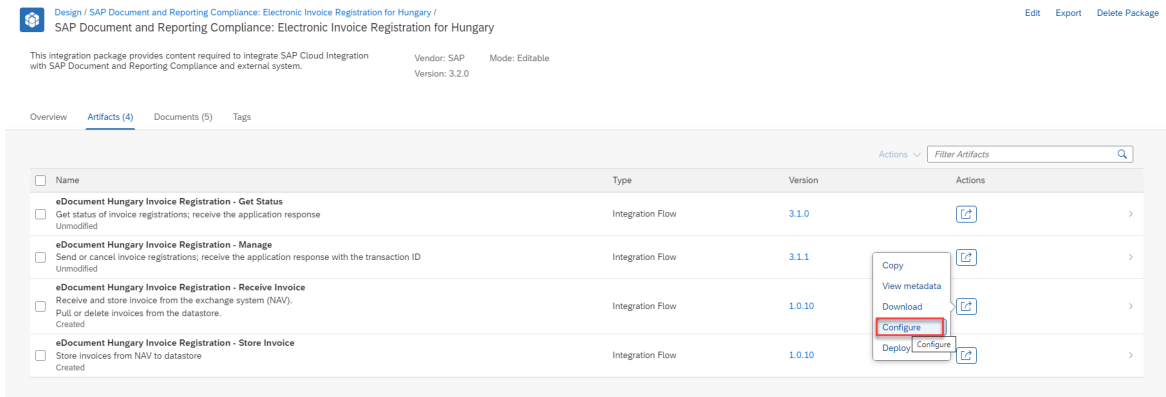
4. Select an integration flow and copy the relevant part of the URL as displayed in the screenshot below.



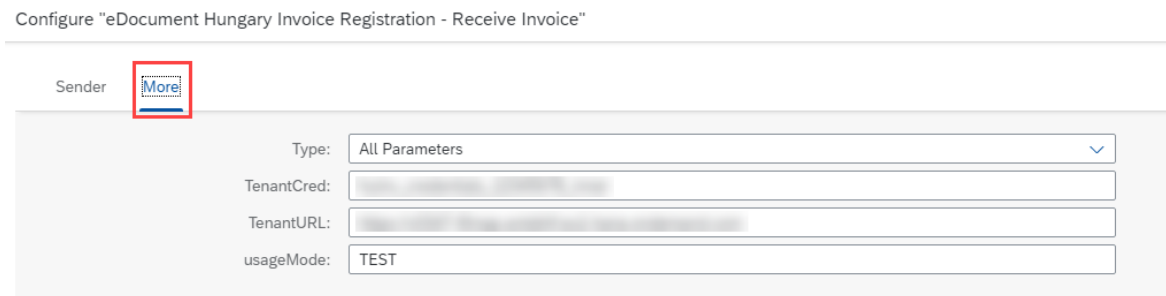
**Note**  
You can select any integration flow.

**Note**  
The relevant URL section always ends before the `/cxf/` part.

5. Go back to the integration package that was copied from the original *SAP Document and Reporting Compliance: Electronic Invoice Registration for Hungary*.
6. Click the *Artifacts* tab.
7. Click on Actions button that corresponds to integration flow *eDocument Hungary Invoice Registration - Receive Invoice*.
8. Select *Configure*.



9. Click the *More* tab.



10. In the field *TenantCred*, enter the credential alias (name).

Configure "eDocument Hungary Invoice Registration - Receive Invoice"

Sender [More](#)

Type: All Parameters

**TenantCred:** [redacted]

TenantURL: [redacted]

usageMode: TEST

### Note

For the credential alias, enter the name of the credentials that you've created for sending requests to an integration flow.

11. In the field *TenantURL*, enter the URL and save your entries.

Configure "eDocument Hungary Invoice Registration - Receive Invoice"

Sender [More](#)

Type: All Parameters

TenantCred: [redacted]

**TenantURL:** [redacted]

usageMode: TEST

**Task overview:** [Configuration Steps in SAP Integration Suite \[page 10\]](#)

## Related Information

[General Information \[page 10\]](#)

[Copy Published Package \[page 11\]](#)

[Configuring Integration Flow \[page 11\]](#)

[Adding Credentials for Sending Requests to an Integration Flow \[page 7\]](#)

## 4 Configuration Steps in SAP Back-end Systems

### 4.1 Create Logical Ports in SOAMANAGER

Required step for configuring the Integration Package for eDocument and SAP Integration Suite.

#### Context

You configure proxies that are needed to connect to the SAP Integration Suite tenant via logical ports. In test back-end systems, the logical ports are configured to connect to the test tenant. In productive back-end systems, the logical ports are configured to connect to the productive SAP Integration Suite tenant.

#### Note

Depending on your release, the look-and-feel of the screens in your system may differ from the screenshots displayed below.

#### Procedure

1. In your back-end system, go to the SOAMANAGER transaction and search for [Web Service Configuration](#) .

Service Administration | Technical Administration | Logs and Traces | Management Connections | Services

**Identifiable Business Context**  
Define Identifiable Business Contexts (IBCs)

**Identifiable Business Context Reference**  
Define Identifiable Business Context references (IBC reference)

**Design Time Cache**  
Display central design time cache

**Web Service Configuration**  
Configure service definitions, consumer proxies and service groups

**Simplified Web Service Configuration**  
Configure service definitions for Web service consumers with limited capabilities

**Logon Data Management**  
Define logon data used by business scenario configuration

**Pending Tasks**  
Process pending tasks generated by business scenario configuration

**Local Integration Scenario Configuration**  
Configure multiple service definitions and service groups supporting change management

**Logical Determination of Receiver using ServiceGroups**  
Define rules for determining receiver IBC reference during service group runtime

**Logical Determination of Receiver, Sender, and Authentication using Consumer Factories**  
Define rules for determining receiver IBC, sender IBC reference and authentication method during consumer factory runtime

**Web Service Isolation**  
Tool to isolate service definitions and consumer proxies

2. Find the proxies for Hungary Invoice Registration with search term **CO\_EDO\_HU\_I30**.

Design Time Object Search | Configuration Search

Search criteria

Object Type | is | All | Enter the search term here.

Object Name | contains | CO\_EDO\_HU\_I30\*

Maximum Number of Results: 100

Search | Clear values | Reset search criteria

Search Result

Internal Name	Type	Name	Namespace	Description
CO_EDO_HU_I30_GET_STATUS_V3_0	Consumer Proxy	eDocHungaryGetStat...	http://www.sap.com/...	
CO_EDO_HU_I30_MANAGE_V3_0	Consumer Proxy	eDocHungaryManag...	http://www.sap.com/...	
CO_EDO_HU_I30_RECEIVE_V3_0	Consumer Proxy	eDocHungaryReceiv...	http://www.sap.com/...	

The following table lists the proxies and the logical port name, description and path for each proxy.

List of Proxies, Logical Port Names, and Paths

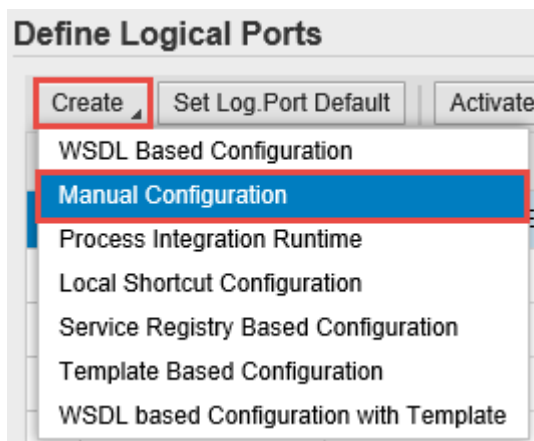
Proxy Name	Logical Port Name	Description	Path
CO_EDO_HU_I30_MAN- AGE_V3_0	EDO_HU_I30_MANAGE-IN- VOICE_PORT_V3_0	Hungary Invoice Registra- tion Manage Port	/cxf/ HungaryManageInvoic e
CO_EDO_HU_I30_GET_STA TUS_V3_0	EDO_HU_I30_GET_STA- TUS_PORT_V3_0	Hungary Invoice Registra- tion Get Status Port	/cxf/ HungaryGetStatus

Proxy Name	Logical Port Name	Description	Path
CO_EDO_HU_I30_RE- CEIVE_V3_0	EDO_HU_INV_DE- LETE_MES- SAGE_PORT_V3_0	Hungary Incoming Invoice Delete Service	/cxf/ HungaryDeleteInvoic e
CO_EDO_HU_I30_RE- CEIVE_V3_0	EDO_HU_INV_PULL_MES- SAGE_PORT_V3_0	Hungary Incoming Invoice Pull Service	/cxf/ HungaryPullInvoice
CO_EDO_HU_I30_RE- CEIVE_V3_0	EDO_HU_INV_RE- CEIVE_MES- SAGE_PORT_V3_0	Hungary Incoming Invoice Receive Service	/cxf/ HungaryReceiveInvoi ce
CO_EDO_HU_I30_ANNUL- MENT_V3_0	EDO_HU_I30_MAN- AGE_ANNULMENT_V3_0	Hungary Invoice Registra- tion Manage Annulment Port	/cxf/ HungaryManageAnnulm ent

#### Note

In Customizing *Define SOA Services for Communication* (EDOSOASERV view), you should maintain the same logical port names for the corresponding SOA service names and company codes.

- In the *Result List*, select a proxy and create a logical port for each proxy. Choose **Create** > *Manual Configuration*.



- Enter the logical port name and a description.

- The configuration you do in the *Consumer Security* tab in the *Configuration* screen depends on the security being used in the communication between the back-end system and SAP Integration Suite.

**New Manual Configuration of Logical Port for Consumer Proxy**

1 Logical Port Name | 2 **Consumer Security** | 3 HTTPSettings | 4 SOAP Protocol | 5 Identifiable Business Context | 6 Operation Settings

Back Next Finish Cancel

**Configuration of Consumer Settings without WSDL Document. LP=**

Authentication Level: Basic

**Authentication Settings**

User ID / Password  
 SAP Authentication Assertion Ticket  
 X.509 SSL Client Certificate

**User ID/Password**

User Name:   
 Password:

- If you use the basic authentication for *User Name*, enter the value for the **clientid** and for *Password*, enter the value for **clientsecret**. You have created these values for your service instance in SAP Integration Suite. See [Creating Service Instances](#).

1 Logical Port Name | 2 **Consumer Security** | 3 HTTPSettings | 4 SOAP Protocol | 5 Identifiable Business Context | 6 Operation Settings

Back Next Finish Cancel

**Configuration of Consumer Settings without WSDL Document.**

Authentication Level: Basic

**Authentication Settings**

User ID / Password  
 SAP Authentication Assertion Ticket  
 **X.509 SSL Client Certificate**

**X.509 SSL Client PSE**

SSL Client PSE of transaction STRUST:

Enter the name of the PSE created in STRUST

- If you use certificate-based authentication, select *X.509 SSL Client Certification* and choose the certificate you have uploaded to `STRUST`. You must configure this certificate in SAP Integration Suite too. For that you create a service instance using the required `grant_type`. You create the service key using the certificate uploaded to the `STRUST`. For more information, see [Defining a Service Key for the Instance in the Cloud Foundry Environment](#)
- On the *HTTP Settings* tab, make the following entries:

Port 443 is the standard port for the HTTPS protocol.

To find the Host, go to SAP Integration Suite Web UI and under Managed Integration Content, go to **Monitor** **All**. Use the search to find your integration flow as in the screenshot below:

## Note

The entries for the proxy fields depend on your company's network settings. The proxy server is needed to enable the connection to the internet through the firewall.

7. On the *SOAP Protocol* tab, set *Message ID Protocol* to *Suppress ID Transfer*.

The screenshot shows the configuration wizard for the SOAP Protocol. The wizard has six steps: 1. Logical Port Name, 2. Consumer Security, 3. HTTPSettings, 4. SOAP Protocol (current step), 5. Identifiable Business Context, and 6. Operation Settings. The SOAP Protocol tab is active, and the 'Message ID Protocol' dropdown is set to 'Suppress ID Transfer'. Below this, the 'Metering of Service Calls' section has 'Data transfer scope' set to 'Enhanced Data Transfer' and 'Transfer protocol' set to 'Transfer via SOAP header'. The 'Message Attachment Handling' section has 'Process Attachments' set to 'No'. Navigation buttons 'Back', 'Next', 'Finish', and 'Cancel' are visible at the top.

8. No settings are required in the *Identifiable Business Context* and *Operation Settings* tabs. Just select **Next** **Finish**.

SAP Integration Suite does not support WebService Pin for testing your configuration.

You can set up a HTTP connection in the `SM59` transaction. Maintain a host and a port of SAP Integration Suite service and execute a connection test. In case of a successful connection, you receive an error with HTTP return code 500.

Remember to create logical port(s) for each proxy and to execute the following steps in the back-end systems, see SAP Note [2636341](#) for more information.

- Define the SOA service names and assign the logical ports to the combination of a SOA service name and a company code in `EDOSOASERV` view.
- Assign the SOA service names you created before to an interface ID in `EDOINTV` view

# 5 Testing

## Prerequisites

- For testing, you must have installed the full solution for Hungary Invoice Registration and must have customized it as described in the Application Help for eDocument for Hungary.
- You have created a document in the source application which you want to submit as an electronic document.

## Context

To test the communication, the best way is to create and send an eDocument from SAP back-end systems. How you can achieve this depends on how the system is configured to generate and send eDocuments.

## Procedure



1. Go to the eDocument Cockpit by running the `EDOC_COCKPIT` transaction.
2. Find the document that was posted and check its status *Document Created*.
3. Select the document and submit it with *Submit* button.
4. If the eDocument status changes to *Transmission OK*, then the connection to tax authority has been correctly set up.

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