



User Guide | PUBLIC
2022-03-18

Spain Electronic Invoicing: Setting Up SAP Cloud Integration (SAP ERP, SAP S4HANA)- Neo environment

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1 Disclaimer

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2 Introduction

You use SAP Cloud Integration 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 Cloud Integration tenant so that the integration between the systems works.

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

i Note

This document describes functionality that is provided by the Integration Package itself, that is, by the artifacts that are deployed in the SAP Cloud Integration 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.

3 Prerequisites

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

1. Document and Reporting Compliance: All relevant notes are installed in the test and/or productive systems.
2. SAP Cloud Integration test/productive tenants are live.
3. You have configured the connection from SAP back-end system to SAP Cloud Integration.

3.1 Installation of eDocuments Solution for Spain Electronic Invoicing

You must install and configure the SAP Document and Reporting Compliance solution for Spain Electronic Invoicing of Public Entities in your test and productive systems. If you did not install the latest support package for your system, see the SAP Note [2070409](#) (for SAP ERP) or SAP Note [2735302](#) (for SAP S/4HANA) for the list of SAP Notes to be installed. For generic information about the installation of the eDocument Framework, refer to the SAP Note [2134248](#) (for SAP ERP) or SAP Note [2343822](#) (for SAP S/4HANA) for the installation guide of SAP Notes.

Application Help for eDocument

For more information about features and country availability of each solution, see the application help in the product page for eDocuments. https://help.sap.com/viewer/p/SAP_E_DOCUMENT. To find the latest published documentation for eDocument for your country, follow the steps below:

1. Choose from *Version* the release you are interested in.
2. To get to the documentation for a given country, under *Application Help* choose *View All* and select your country.

3.2 Registration at FACe

You must complete the registration at the General Point of Entry of Electronic Invoices of the General State Administration (FACe) and the following data must be available:

- Certificate used for digital signature (private key and password)

- Public certificate to verify the SOAP response deployed on SAP Cloud Integration tenant's keystore. Follow the steps below to generate the public certificate:
 1. Download the appropriate certificate from the FACe Portal.
At the time of publishing this document, the relevant link is <http://administracionelectronica.gob.es/ctt/face/descargas#.VOsMYvmG-4I> ➔

2. Search for the certificate NUEVO Certificado para WS as shown in the example below:

FACe - Punto General de Entrada de Facturas Electrónicas de la AGE



General Info. Adicional **Área Descargas** Indicadores

NOTA : Está accediendo al contenido **público** del área de Descargas de esta solución. Acceda a través de la **red SARA** con un **usuario registrado de las Administraciones Públicas** y podrá encontrar aquí disponibles más contenidos específicos para las Administraciones Públicas.

Expandir

Presentación de FACe

Instrumento jurídico para el consumo del servicio

Legislación Asociada

Kit de bienvenida

Documentación para usuarios - Organismos

Documentación para usuarios - Proveedores

Documentación para integradores

NUEVO Certificado para WS - PRUEBAS

Se publica el nuevo certificado para el entorno de Pruebas con el que FACe firmará las respuestas SOAP. Dicho certificado entrará en vigor el 18 de Enero de 2019 y estará vigente hasta Diciembre de 2021

↓ [SELLO ENTIDAD SGAD PRUEBAS crt \(3 KB · TXT\)](#)

Fecha de modificación: 14/01/2019

NUEVO Certificado para WS - PRODUCCIÓN

Se publica el nuevo certificado para el entorno de Producción con el que FACe firmará las respuestas SOAP. Dicho certificado entrará en vigor el 18 de Enero de 2019 y estará vigente hasta Marzo de 2020.

↓ [SELLO DE ENTIDAD SGAD crt \(2 KB · TXT\)](#)

Fecha de modificación: 14/01/2019

i Note

The screenshot is from June, 2020. SAP cannot guarantee that the layout of the page and the name of the certificate remain constant. SAP is not responsible for the content of external web pages.

3. Copy the content of the certificate into a text file and save it with **.cer** extension.



i Note

The screenshot is from June, 2020. SAP cannot guarantee that the layout of the page and the name of the certificate remain constant. SAP is not responsible for the content of external web pages.

- Public certificate “*.redsara.es” to communicate with FACE.
These certificates can be obtained from the respective contacts from FACE.



4 Connectivity Steps

4.1 Setup of Secure Connection

You establish a trustworthy SSL connection to set up a connection between the SAP back-end systems and the SAP Cloud Integration. For more information, see [Connecting a Customer System to Cloud Integration](#).

You use SAP ERP Trust Manager (transaction `STRUST`) to manage the certificates required for a trustworthy SSL connection. The certificates include public certificates to support outbound connections, as well as trusted certificate authority (CA) certificates to support integration flow authentication.

Refer to the system documentation for more information 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, refer to [Operating and Monitoring Cloud Integration](#)

i Note

If you encounter any issues in the information provided in the SAP Cloud Integration product page, open a customer incident against the `LOD-HCI-PI-OPS` component.

Client Certificate

If you are using a client certificate, this must be signed by one of the root certificates supported by the load balancer. A self-signed certificate is not suitable. For more information see [Load Balancer Root Certificates Supported by SAP](#).

For information about creating your own certificate and get it signed by a trusted certificate authority (CA), see [Authenticate Integration Flows \[page 11\]](#).

4.1.1 Set Up SAP Cloud Integration Tenants

Ensure that your SAP Cloud Integration test and production tenants are live, and users in the tenants have the rights to copy the integration package and to configure and deploy the integration flows.

When your tenants are provisioned, you receive an email with a Tenant Management (TMN) URL. You need this URL when configuring on your SAP S/4HANA Cloud tenant the communication with the SAP Cloud Integration tenant.

To be able to deploy the security content you must be assigned the `AuthGroup.Administrator` role.

If you are a first-time user, you must first set up your users (members) and their authorizations in the SAP BTP cockpit.

4.1.2 Retrieve and Save Public Certificates

You perform this action in the back-end systems only if you are using certificate-based authentication. Not required for basic authentication.

Context

Find and save the public certificates from your SAP Cloud Integration runtime.

Procedure

1. Access the SAP BTP cockpit, and navigate to your subaccount (tenant) page.
2. Click the subscriptions link to display the subscriptions for your subaccount.
3. Select the subscription with suffix `iflmap` as this corresponds to your worker node within SAP Cloud Integration.

Alternatively, use the URL emailed to you with your SAP Cloud Integration subscription details. The URL has the following format `https://xxxxx.hana.ondemand.com/itspaces`.

4. In the *Operations* view, choose *Manage Integration Content* and select *All* to display the integration flows available.
5. Select an integration flow to display its details.
6. Copy the URL listed within the *Endpoints* tab, and paste the URL into your web browser.
7. When prompted by the *Website Identification* window, choose *View certificate*.
8. Select the root certificate, and then choose *Export to file* to save the certificate locally.
9. Repeat these steps for each unique root, intermediate and leaf certificate, and repeat for both your test and production tenants.

4.1.3 Upload the Certificates

Store the public certificates used for your productive and test tenants.

Context

You use the SAP ERP Trust Manager (transaction `STRUST`) to store and manage the certificates required to support connectivity between SAP back-end systems and SAP Cloud Integration.

Procedure

1. Access transaction `STRUST`.
2. Navigate to the PSE for **SSL Client (Anonymous)** and open it by double-clicking the PSE.
3. Switch to edit mode.
4. Choose the *Import certificate* button.
5. In the *Import Certificate* dialog box, enter or select the path to the required certificates and choose *Enter*. The certificates are displayed in the *Certificate* area.
6. Choose *Add to Certificate List* to add the certificates to the *Certificate List*.
7. Save your entries.

4.1.4 Authenticate Integration Flows

Create an own certificate and get it signed by a trusted certificate authority (CA) to support integration flow authentication.

Context

You use the SAP ERP Trust Manager (transaction `STRUST`) for this purpose.

This process is required only if you use certificate-based authentication (that is, you choose the **x.509 SSL Client Certification** option in your settings for SOAMANAGER).

Procedure

1. Access transaction `STRUST`.

2. Create your own PSE (for example, Client SSL Standard) and then generate a certificate sign request.
3. Export the certificate sign request as a *.csr file.
4. Arrange for the certificate to be signed by a trusted certificate authority (CA).

If you are using a client certificate, this must be signed by one of the root certificates supported by the load balancer. A self-signed certificate is not suitable. For more information, see [Load Balancer Root Certificates Supported by SAP](#).

The CA may have specific requirements and request company-specific data, they may also require time to analyze your company before issuing a signed certificate. When signed, the CA provides the certificate for import.

5. Navigate to the PSE for **SSL Client Standard** and open it by double-clicking the PSE.
6. Switch to edit mode.
7. Choose the *Import certificate* button.
8. In the *Import Certificate* dialog box, enter or select the path to the CA-signed certificate and choose *Enter*. The certificate is displayed in the *Certificate* area.
9. Choose *Add to Certificate List* to add the signed certificate to the *Certificate List*.

Ensure that you import the CA root and intermediate certificates to complete the import.

10. Save your entries.

The certificates can now be used in the SOA Manager (transaction SOAMANAGER).

5 Configuration Steps in SAP Cloud Integration

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

5.1 General Information

The package *SAP Document and Reporting Compliance: Electronic Invoicing of Public Entities for Spain* contains the following integration flows:

Integration Flows for Spain Electronic Invoicing

Integration Flow Name in WebUI	Project Name/Artifact Name
<i>Spain Electronic Invoicing of Public Entities - Send Invoice</i>	com.sap.GS.Spain.SendInvoice
<i>Spain Electronic Invoicing of Public Entities - Get Status</i>	com.sap.GS.Spain.GetStatus
<i>Spain Electronic Invoicing of Public Entities - Cancel Invoice</i>	com.sap.GS.Spain.CancelInvoice

5.2 Deploy Certificates and Credentials

You deploy the certificates and the credentials to the SAP Cloud Integration tenants.

1. Deploy the certificate (as private key with alias) in the tenants JAVA_KEYSTORE.
To allow the integration flows to be updated with minimal adaptation effort, use the following alias for the private key:
Private key alias: **spainsignaturekey**

i Note

- If you deploy the private key with another alias, you must configure the alias name in the integration flow parameters. For information about how to configure the alias name, see [Configure and Deploy Integration Flows \[page 15\]](#).
- From version 1.1.8 onwards, the dynamic private key *Alias* is available, that is, you can choose to use an alias in the form of **spainsignaturekey_XXXXX**, where **spainsignaturekey** will be the suffix, and **XXXXX** will be your company tax ID. If you choose to use the dynamic private key *Alias*, the system will concatenate the suffix and will extract your company tax ID from the header of the XML document.

2. Deploy the public certificate that you generated in the [Registration at FAcE \[page 5\]](#) section into the tenants JAVA_KEYSTORE. Deploy the public certificate for staging in the TEST tenants JAVA_KEYSTORE and the public certificate for production in the PRODUCTION tenants JAVA_KEYSTORE.

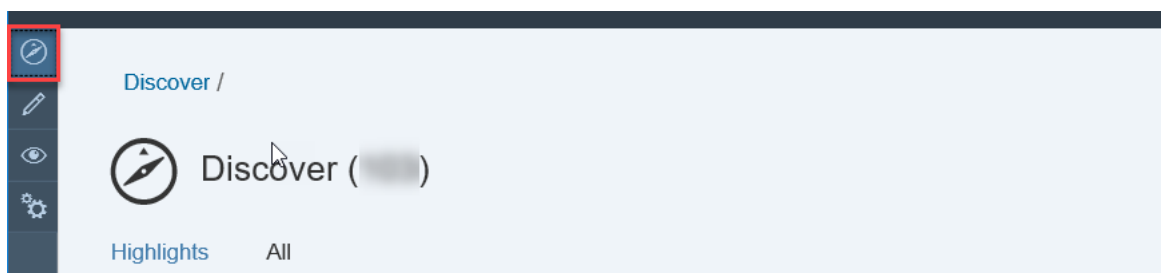
5.3 Copy Published Package

Context

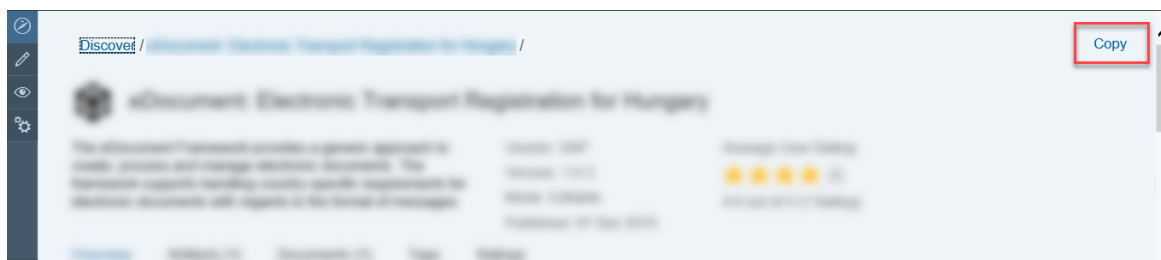
Copy all integration flows in the package *SAP Document and Reporting Compliance: Electronic Invoicing of Public Entities for Spain* to the target tenant as follows:

Procedure

1. In your browser, go to the WebUI of the tenant (URL: <Tenant URL>/itspaces/#shell/catalog).
2. In the *Discover* section of your tenant, select the package *SAP Document and Reporting Compliance: Electronic Invoicing of Public Entities for Spain*.



3. Select the package and choose *Copy*.



5.4 Configure and Deploy Integration Flows

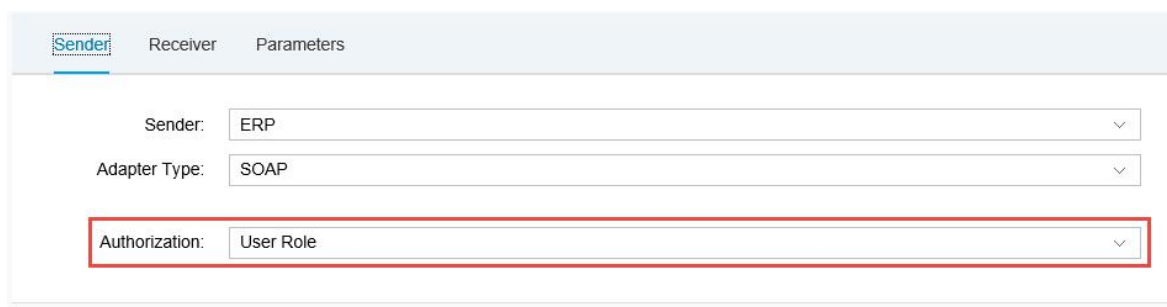
Context

You configure the package that you have copied as described in [Copy Published Package \[page 14\]](#). For each integration flow, you must maintain several parameters as described below.

Procedure



1. Choose *Design* from the upper left corner of the page.
2. Click on the *SAP Document and Reporting Compliance: Electronic Invoicing of Public Entities for Spain* package.
3. Go to the *Artifacts* tab page.
4. Choose **► Actions ► Configure ▾** for the artifact you are configuring.
5. Choose the *Sender* tab and make settings as follows:
 - *Authorization* field: Select **User Role** or **Client Certificate**
 - *Client Certificate* only: Upload your client certificates. *Subject DN* and *Issuer DN* are filled from the certificate information.

See the following example:



The screenshot shows the configuration interface for the 'Sender' tab. It includes three dropdown menus: 'Sender' set to 'ERP', 'Adapter Type' set to 'SOAP', and 'Authorization' set to 'User Role'. The 'Authorization' dropdown is highlighted with a red border.

6. Choose the *Receiver* tab and make settings as follows:
 - Maintain the receiver URL in the *Address* field:

Environment	URL
TEST	https://se-face-webservice.redsara.es/facturasspp 
PRODUCTION	https://webservice.face.gob.es/facturasspp 

- *Private Key Alias for Signing* field: The default alias for the private key is **spainsignaturekey**. If you deployed the private key with a different alias, definit it here.

See the following example:

The screenshot shows the configuration interface for a receiver. The 'Receiver' tab is active, showing the following settings:

- Receiver: FACE
- Adapter Type: SOAP
- CONNECTION: Address: https://example.com/sspp
- WS-SECURITY: WS-Security Configuration: Via Manual Configuration in Channel; WS-Security Type: Sign Message
- Private Key Alias for...: spainsignaturekey

7. Choose the *Parameters* tab and make settings as follows:

Note

The integration flows *Get Status* and *Cancel Invoice* do not have the *Parameters* tab page. You make the settings in this step only for the *Send Invoice* integration flow.

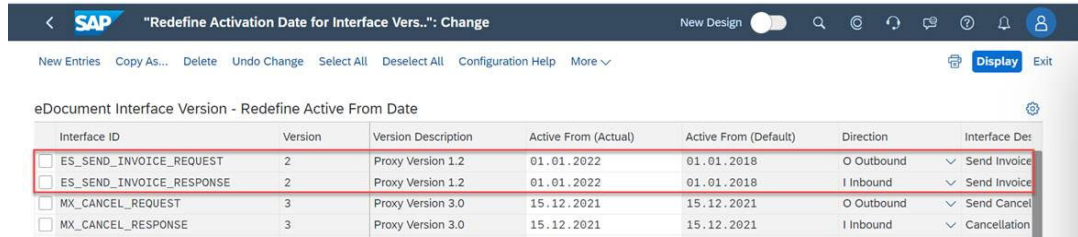
- o *Correo* field: Enter the e-mail ID for all communications with FACE.
- o The *Send Invoice* integration flow supports both the 3.2 and 3.2.2 version of the XML file, depending on which version you use, enter data in the fields below as follows:

Field	Value for 3.2 Version	Value for 3.2.2 Version
<i>responseNamespace</i>	http://www.sap.com/eDocument/Spain/SendInvoice/v1.1	http://www.sap.com/eDocument/Spain/SendInvoice/v1.2
<i>Signing_Namespace</i>	http://www.facturae.es/Facturae/2009/v3.2/Facturae	http://www.facturae.gob.es/formato/Versiones/Facturaev3_2_2.xml

To switch from Facturae v3.2 (default version) to v3.2.2, make settings as follows:

1. Click on the *Manage Your Solution* tile in the Business Process Configuration and ensure that the local version is set to *Spain*.
2. Click on *Configure Your Solution*.
3. In the Application section, choose *Application Platform and Infrastructure* and in the Sub Application section, choose *General Settings for eDocuments* under Item Name.
4. Configure Step Name *Redefine Activation Date for Interface Version* with SSCUI ID 103657 (view EDOINTVERSCUSTV).
5. Enter the date of activation in *Active From (Actual)* for the *Interface IDs* of **ES_SEND_INVOICE_REQUEST** and **ES_SEND_INVOICE_RESPONSE** with **Proxy Version 1.2**.

See the following example:



The screenshot shows the SAP Fiori 'Redefine Activation Date for Interface Vers...': Change' configuration page. It features a table with columns: Interface ID, Version, Version Description, Active From (Actual), Active From (Default), Direction, and Interface Det. The first two rows are highlighted with a red border.

Interface ID	Version	Version Description	Active From (Actual)	Active From (Default)	Direction	Interface Det
<input type="checkbox"/> ES_SEND_INVOICE_REQUEST	2	Proxy Version 1.2	01.01.2022	01.01.2018	O Outbound	Send Invoice
<input type="checkbox"/> ES_SEND_INVOICE_RESPONSE	2	Proxy Version 1.2	01.01.2022	01.01.2018	I Inbound	Send Invoice
<input type="checkbox"/> MX_CANCEL_REQUEST	3	Proxy Version 3.0	15.12.2021	15.12.2021	O Outbound	Send Cancel
<input type="checkbox"/> MX_CANCEL_RESPONSE	3	Proxy Version 3.0	15.12.2021	15.12.2021	I Inbound	Cancellation

6. If you want to disable Facturae v3.2.2, edit *Active From (Actual)* to **12/31/9999**.

- In the *addTaxidtoKeyAlias* field, enter **YES** if you want to use the dynamic private key alias, then update the *keyAliasSuffix* field with the name that matches the name that you have defined in section [Deploy Certificates and Credentials \[page 13\]](#). The system will concatenate the *keyAliasSuffix* field with the tax ID of your company automatically. By default, the *keyAliasSuffix* field is set to **NO**.

Sender Receiver **More**

Type:

addTaxidtoKeyAlias:

correo:

KeyAliasSuffix:

responseNamespace:

Signing_Namespace:

8. Choose *Save* and *Deploy* to deploy it actively to server. Note down the URLs of the endpoints for each service. Provide the endpoint URLs for FAcE in the externalized parameters of the integration flows for the test and productive tenants.

6 Configuration Steps in Back-End Systems

The following sections tell you the necessary configuration you do in SAP back-end systems to connect with SAP Cloud Integration.

6.1 Create Logical Ports in SOAMANAGER

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

Context

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

i 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 SAP 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

- Find the proxies for Spain electronic invoicing with search term CO_EDO_ES_*V1_1.

Search criteria

Object Type is All

Object Name contains

Maximum Number of Results: 100

Search Clear values Reset search criteria

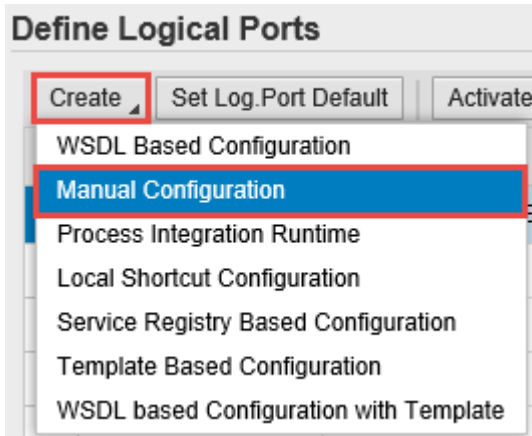
Enter the search term here

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

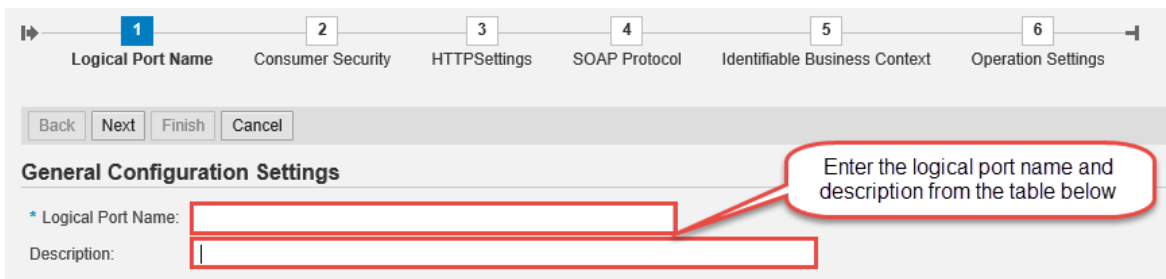
List of Proxies, Logical Port Names, and Paths

Proxy Name	Logical Port Name	Description	Path
CO_EDO_ES_SEND_IN-VOICE_V1_1	EDO_ES_IN-VOICE_TRANSMI-SERV_POR-T	Spain eDocument – Send Invoice Service	/cxf/SpainSendInvoice
CO_EDO_ES_GET_STA-TUS_V1_1	EDO_ES_GET_STA-TUS_SERV_PORT	Spain eDocument – Get Status Service	/cxf/SpainGetStatus
CO_EDO_ES_CANCEL_IN-VOICE_V1_1	EDO_ES_CANCEL_IN-VOICE_SERV_PORT	Spain eDocument – Cancel Invoice Service	/cxf/SpainCancelInvoice

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



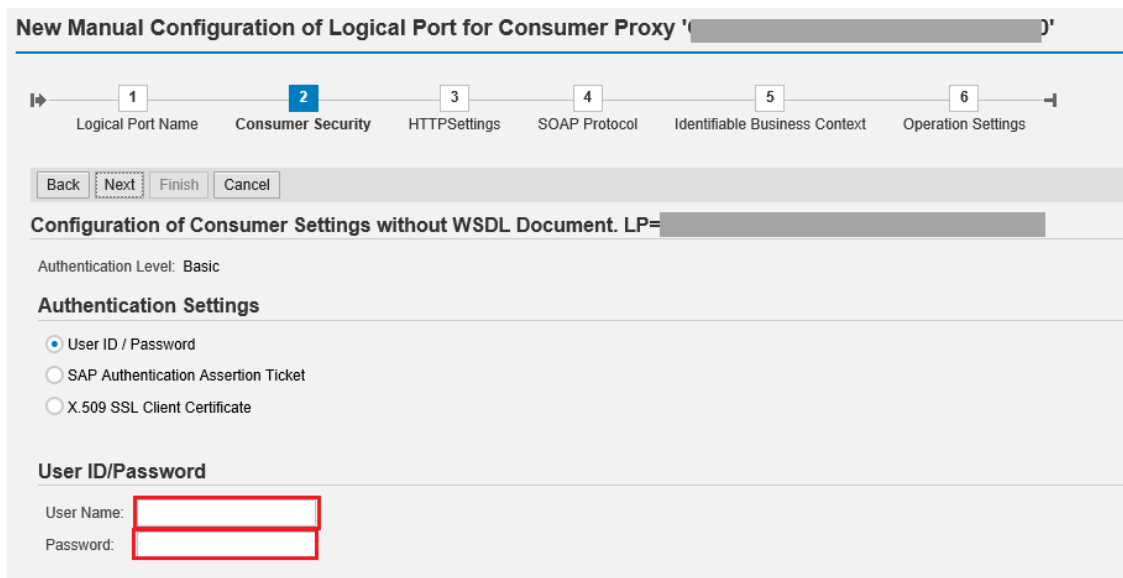
4. Enter the logical port name and a description.



5. The configuration you do in the *Consumer Security* tab in the *Configuration* screen depends on the security being used in the communication between the SAP back-end system and SAP Cloud Integration.
- If you use the basic authentication, select the *User ID / Password* and enter *User Name* and *Password*.
 - If you use certificate-based authentication, select *X.509 SSL Client Certification*. Ensure that the required certificates are available in the *STRUST* transaction.

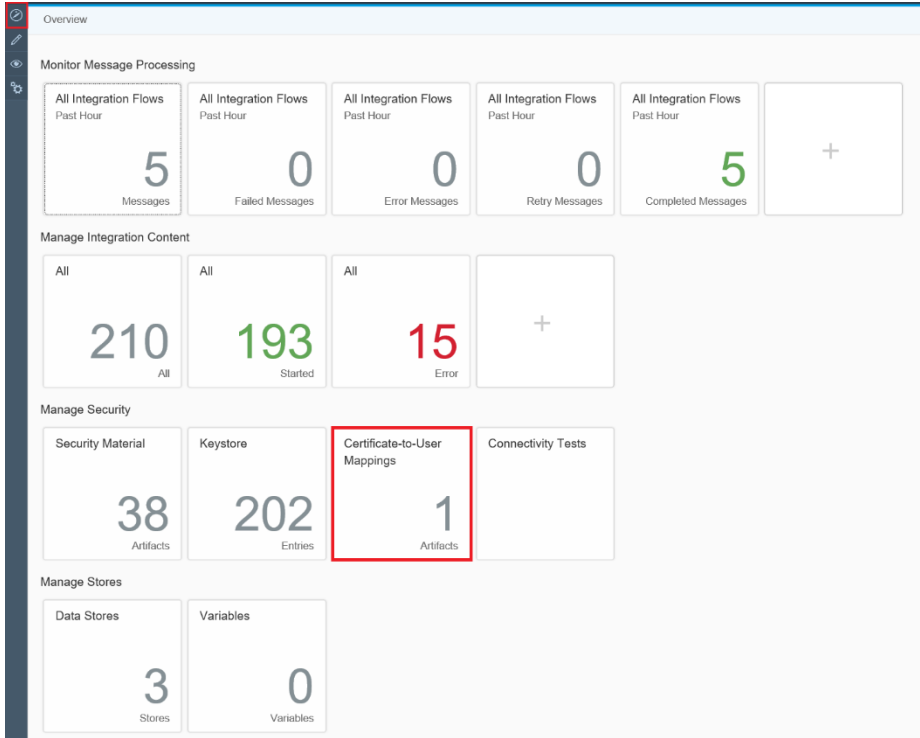
i Note

If you do not see this option or cannot select it, check the SAP Notes [2368112](#) and [510007](#)

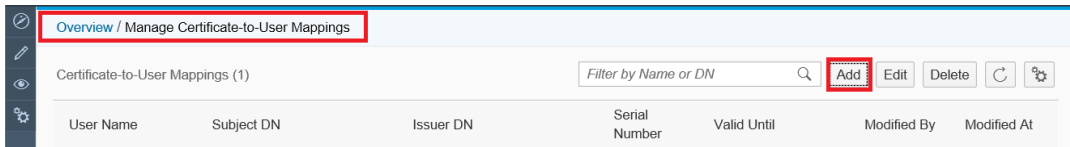


Additionally, you map the certificate to a user of your tenant with the `ESBMessaging.send` role. First, you export the certificate from the `STRUST` transaction. Save it locally and upload it to SAP Cloud Integration in the `Certificate-to-User Mappings`

1. Export the SSL Client PSE of the `STRUST` transaction.
2. Go to SAP Cloud Integration under **Overview > Certificate-to-User Mappings**



3. Choose **Add**.



4. Enter a user name with `ESBMessaging.send` role, upload the SSL Client PSE of the `STRUST` transaction and choose **OK**.

Add Certificate-to-User Mapping

*User Name:

*Certificate:

OK
Cancel

6. On the `HTTP Settings` tab, make the following entries:

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

Back Next **Finish** Cancel

URL Access Path

URL **URL components**

* Protocol: **HTTPS** *Look Up the SAP Cloud Integration*

* Host: _____

Port: **443**

* Path: _____ *For each logical port, enter the path from the table above*

Logon Language: **Language of User Context**

Proxy

Name of Proxy Host: _____

Port Number of Proxy Host: _____

User Name for Proxy Access: _____

Password of Proxy User: _____

Enter the proxy settings of your company's network

Transport Binding

Make Local Call: **No Call in Local System**

* Transport Binding Type: **SOAP 1.1**

Maximum Wait for WS Consumer: **0**

Optimized XML Transfer: **None**

Compress HTTP Message: **Inactive**

Compress Response: **True**

Port 443 is the standard port for the HTTPS protocol.

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

Overview / Manage Integration Content

Integration Content (489) Filter by Name or ID [Search] [Refresh] [Settings]

1 Go to Operations View

2 Enter the integration flow name as search term

Name Status

Deployed On: Feb 11, 2021, 11:49:57

Deployed By: _____

ID: _____

Version: 1.0.3

Package: _____

3 Copy the host name from here (the part between https:// and /cxf/)

Endpoints Status Details Artifact Details Log Configuration

https:// _____ /cxf/ _____

Status Details

i 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 a configuration wizard with six steps: 1. Logical Port Name, 2. Consumer Security, 3. HTTPSettings, 4. SOAP Protocol (highlighted), 5. Identifiable Business Context, and 6. Operation Settings. Below the steps are buttons for Back, Next, Finish, and Cancel. The 'Message ID (Synchronous)' section has a dropdown for 'Message ID Protocol' set to 'Suppress ID Transfer'. 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'.

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

SAP Cloud Integration 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 Cloud Integration service and execute a connection test. In case of a successful connection, you receive an error with HTTP return code 500.

9. Remember to create logical ports for each proxy and to execute the following steps in the SAP back-end systems. For more information, see SAP Note [2095919](#).
 - 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 the `EDOINTV` view.

7 Testing the Integration

Describes the steps to test the integration of SAP Document and Reporting Compliance (eDocument) with the integration scenario from SAP Cloud Integration.

Context

The best way to test if the integration works is to create and submit an eDocument from SAP backend system and see if that reaches the destination system, typically the tax authority's system.

Procedure



1. In the back-end system, go to the *eDocument Cockpit* (EDOC_COCKPIT) transaction, in the relevant process.
2. Select an eDocument and check the status of the eDocument in the Cockpit and perform the following actions, accordingly:
 - If the status of the eDocument is *Created*, the eDocument was created but not submitted yet. In this case, select it and choose *Submit*. This action triggers the creation of the XML and the subsequent communication with SAP Cloud Integration.
 - If the status is green or yellow, but not *Created*, the communication with SAP Cloud Integration was triggered and was probably successful. You can double-check if the message went through on the SAP Cloud Integration tenant. Alternatively, you can use a trace from the *SRT_UTIL* transaction to look at the XMLs transmitted via web services from the SAP back-end systems.
 - If the status is red, an error happened during the submission of the eDocument. Select the *Interface Field* to be directed to the Application Interface Platform (AIF) where you can check the log. Any communication errors are displayed there.

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