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SAP Document Compliance for Spain SII - Setting Up SAP Cloud Platform Integration (SAP ERP/S/4HANA)

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1 Disclaimer

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2 Introduction

You use SAP Cloud Platform Integration to establish the communication with external systems and transfer to them the electronic documents you have created using the SAP Document Compliance. This document lists the required setup steps you perform in the SAP ERP or SAP S/4HANA system* and the SAP Cloud Platform Integration tenant so that the integration between the systems works.

The setup steps are typically done by an SAP Cloud Platform Integration consulting team, which is responsible for configuring the SAP back-end systems and the connection with SAP Cloud Platform Integration. This team may be also responsible for maintaining the integration content and certificates/credentials on the SAP Cloud Platform 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 Platform 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 and SAP S/4HANA.

3 Prerequisites

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

3.1 Set Up SAP Cloud Platform Integration Tenants

SAP Cloud Platform 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 (iFlows).

When your tenants are provisioned, you receive an email with the Tenant Management (TMN) URL. You need this URL for the configuration of the SAP back-end systems.

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 Cloud Platform cockpit.

3.2 Deploy Certificates for SAP Cloud Platform Integration with Tax Agency Communication

To establish a connection between the SAP Cloud Integration and tax agency servers, you must obtain several certificates, and then deploy these to the SAP Cloud Platform Integration tenant. For more information about certificate deployment in SAP Cloud Platform Integration, see SAP Note [2469460](#).

3.3 Add Certificate for Client Certificate Authentication

SAP Cloud Platform Integration uses a client certificate to authenticate the communication with external systems. For the SII scenario, you must include certificates that are recognized by the relevant tax agency (AEAT or regional tax agency). Optionally, the tax agency also supports certificates for the electronic seal ("certificado de sello"). This certificate is specific to your company's Fiscal Identity Number (NIF) and/or Tax Identity Number.

i Note

- We recommend that you use private key alias in form of **spainsiixxxx**, where **xxxx** is the company code.
- From version 3.0.0 onwards, the dynamic private key Alias is available, that is, you can choose to use an alias in form of **spainsiprivtekey_xxxxx**, where **spainsiprivtekey** will be the suffix, and **xxxxx** will be

you company NIF. If you choose to use the dynamic private key Alias, the system will concatenate the suffix and will extract your company NIF from the header of XML document.

3.4 Add Public Certificates of Relevant Tax Agency

To establish an SSL connection to the tax agency server, the SAP Cloud Platform Integration needs to trust the SSL certificate from the relevant tax agency servers. To achieve this, you must download the entire certificate chain from the relevant server and upload it to the SAP Cloud Platform Integration tenant. Please refer to the relevant tax agencies' sites or the relevant governmental SII support teams to obtain relevant certificate chains.

Another option is to use third-party software, which has the capability of examining and downloading site certificates like browsers or key store explorers. The exact procedure of downloading the SSL certificate depends on third-party software and the operating system that you use.

i Note

You can find the list of servers of the regional tax authorities in the document [Regional Support Guide](#), included in this integration package.



3.5 Set Up of Secure Connection

You establish a trustworthy SSL connection to set up a connection between the SAP back-end systems and the SAP Cloud Platform Integration.

Inbound HTTP connections are not required for Italy. Outbound HTTP connections are required, and are supported with specific, public certificates.

You use SAP ERP Trust Manager (transactions `TRUST`) 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 iFlow 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 [Operations guide for SAP Cloud Platform Integration](#)

i Note

If you encounter any issues in the information provided in the SAP Cloud Platform 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](#).

3.6 Prerequisites for SOA Management

You must have implemented the SAP Notes [2448369](#) and [2448464](#). These SAP Notes are prerequisites for configuring SOA Management in SAP ERP or SAP S/4HANA for this solution.

If you report IGIC tax to the tax authorities in the Canary Islands, you must have also implemented the SAP Note [2712247](#). You must also implement all SAP Notes mentioned in the Overview SAP Note [2709919](#) for the Canary Islands.

4 Configuration Steps in SAP Cloud Platform Integration

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

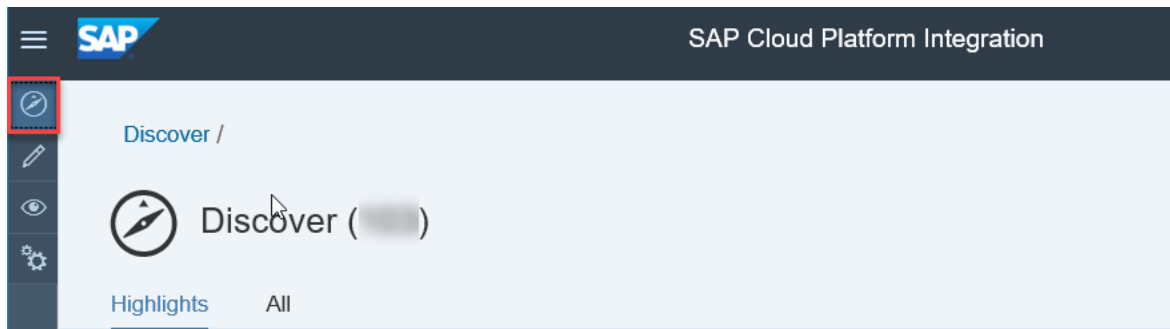
4.1 Copy Published Package

Context

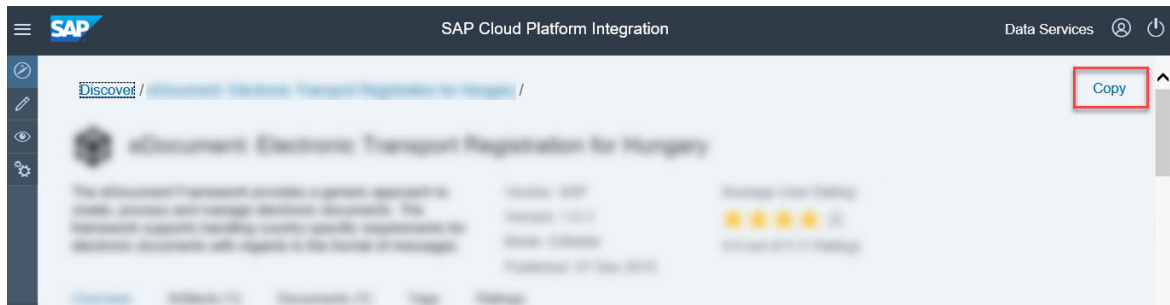
Copy all iFlows in the package *SAP Document Compliance: Tax Register Books for Spain* to the target tenant as follows:

Procedure

1. In the *Discover* section of your tenant, select the package *SAP Document Compliance: Tax Register Books for Spain*.



2. Select the package and choose *Copy*.



3. In the *Provide suffix* dialog box, leave the field blank and choose *Ok*.

Provide suffix

Create copy with Suffix

(Leave blank for default)

Ok Cancel

4.2 Configure Integration Flow

4.2.1 Configure Integration Flow - Communicate to SII

To set up communication with the tax authorities in Spain, you must configure the integration flow “Communicate to SII” as described in this section.

Context

You must repeat the steps below for every package that you copied as described in section [Copy Published Package \[page 8\]](#).

Procedure

1. Choose *Design* from the upper left corner of the page.
2. Click on the package that you copied from the original *Document Compliance: Tax Register Books for Spain* package.
3. Go to the *Artifacts* tab page.
4. Choose **► Actions ► Configure ►** for the *Communicate to SII* integration flow.

SAP Document Compliance: Electronic Tax Register Books for Spain

This integration package provides content required to integrate SAP Cloud Platform Integration with SAP Document Compliance and the Spanish Tax Agency's system Suministro Inmediato de Informacion del IVA (SII).
 Vendor: SAP Mode: Editable
 Version: 4.0.0

Overview **Artifacts (2)** Documents (4) Tags

Actions

<input type="checkbox"/>	Name	Type	Version
<input type="checkbox"/>	Communicate to Canary Islands Sending VAT Registration books from SAP ERP to SII Modified	Integration Flow	Draft
<input type="checkbox"/>	Communicate to SII This is a single, multi-purpose integration flow, which does all types of requests Unmodified	Integration Flow	3.0.4

Context menu options: Copy, View metadata, Download, **Configure**, Deploy

i Note
 The version of your artifact may differ from the one shown on the figure above.

- Choose the **Sender** tab and make settings as follows:
 - Update the connection address to a name that can be linked easily to the company code that uses it (for example, **/SpainSIICommunicate-ES01** for the company code ES01):

Sender More

Sender:

Adapter Type:

Connection

Address:

- Authorization** field: Select the required authorization (**User Role** or **Client Certificate**) that has been configured for the connection between the system and the tenant.

- For the *User Role* authorization, select the relevant user role (for example, **ESBMessaging.send**):

Connection

Address:

Authorization:

User Role:

- For the *Client Certificate* authorization, provide the certificate credentials, for example:

Connection

Address:

Authorization:

Subject DN	Issuer DN
<input type="text" value="<subject-dn>"/>	<input type="text" value="<issuer-dn>"/>
<input type="button" value="Select"/>	

- If required, increase the body size (that is, the maximum XML file size) to the appropriate value:

Connection

Address:

Authorization:

User Role:

Conditions

Body Size (in MB):

Attachments Size (in MB):

6. Choose the *More* tab and make settings as follows:


i Note

- In some versions, this tab may have the title *Parameters*.
- The layout under this menu tab may differ from the screenshot provided.
- In the *Private Key Alias* field, update the name to match the name that you have defined in section [Add Certificate for Client Certificate Authentication \[page 5\]](#).

i Note

From version 3.0.0 onwards, the dynamic private key alias is available.

- In the *addNiftoKeyAlias* 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 [Add Certificate for Client Certificate Authentication \[page 5\]](#).
The system will concatenate the *keyAliasSuffix* field with the NIF of your company automatically.
By default, the *addNiftoKeyAlias* field is set to **NO**. In that case, you must also update the *keyAliasSuffix* field with the name that matches the name that you have defined in section [Add Certificate for Client Certificate Authentication \[page 5\]](#).

Sender 

Type:

addNiftoKeyAlias:

keyAliasSuffix:

loggingEnabled:

reportTo:

usageMode:

- Use the *usageMode* field to set up the integration package usage mode:

Value	Acceptable aliases	Description
TEST		Uses the test system of the tax agency
PROD	PRODUCTIVE, PRODUCTION	Uses the productive (that is, legally binding) system of the tax agency
ESEAL	E-SEAL, PROD-SEAL	Uses the productive system that accepts certificate of the electronic seal

i Note

Submitting documents with an SII Version below 1.0 to productive servers will cause an error. For SII Versions below 1.0, only test services are provided.

- Use the *loggingEnabled* field for switching logging on and off:

Value	Description
YES	Enable logging of the request and response messages
NO	Disable logging of the request and response messages

- Use the *reportTo* field to define the regional tax authority to which you want to submit your reports.

The screenshot shows a configuration interface for a 'Sender'. At the top, there is a 'Sender' label and a 'More' button. Below this, there is a 'Type' dropdown menu set to 'All Parameters'. Three input fields are visible: 'addNiftoKeyAlias' with the value 'NO', 'keyAliasSuffix' with the value 'spainsiiprivatekey', and 'loggingEnabled' with the value 'NO'. The 'reportTo' field is highlighted with a red box and contains the value 'Spain'.

i Note

By default, the reports are submitted to the central tax authority (Agencia Estatal de Administración Tributaria). For the list of the values for the regional tax authorities and supported functions, refer to the document "Submitting to the regional tax authorities" included in this package.

7. Select *Save* and *Deploy* to save your configuration and to deploy it actively to server, respectively.

i Note

On some tenants, depending on their version, after pressing these buttons, a screen with warning messages may occur, similar to the one below. Ignore these messages, and press the *Close* button, as they are related to the payload attachments; currently the SII process either does not support or require message attachments (for example, scanned copies of invoices) in any stage of processing and communication.

Messages (3)		
Type	Location	Message
⚠		Router drops attachment in payload from SOAP 1.x Sender. Router does not support payload attachment.
⚠		Process Call drops attachment in payload from SOAP 1.x Sender. Process Call does not support payload attachment.
⚠		Process Call drops attachment in payload from SOAP 1.x Sender. Process Call does not support payload attachment.

Close

4.2.2 Configure Integration Flow - Communicate to Canary Islands

To set up communication with the tax authorities in the Canary Islands, you must configure the integration flow "Communicate to Canary Islands" as described in this section.

Repeat the steps described in section [Configure Integration Flow - Communicate to SII \[page 9\]](#) for the *Communicate to Canary Islands* artifact as all the steps are the same for the Canary Islands.

Note

For the Canary Islands, you must also choose **Spain** in the *Report to* field under the *More* tab.

4.3 Parameter Delegation

You can delegate the setup for several parameters back to the back-end system.

To do so, use the value **ByRequest** for any parameters listed below instead of the values from the section [Configure Integration Flow \[page 9\]](#) during integration flow configuration.

The following parameters are supported:

Parameter	Comment
usageMode	No default value. In case of empty value, an error will be generated.

Parameter	Comment
loggingEnabled	Default value is "NO", that is, request and response bodies will not be logged
reportTo	Default value is "Spain", that is, reporting to Central Tax Authority

To provide the parameter for the integration flow, add it as a query parameter of the same name (for example, usageMode=TEST or loggingEnabled=YES) to the integration flow URL in your source system. If you are adding more than one query parameter, separate them with the ampersand sign (&). The first query parameter must be prepended by the question mark (?), for example:

```
cxfl/SpanishSIICommunicateES01?usageMode=TEST&loggingEnabled=NO&reportTo=Spain
```

Note

- Take into account that the parameter setup is only delegated if its value is explicitly set to **ByRequest** in Integration Flow configuration, otherwise query parameters will have no effect.
- The main advantages of such a delegation are the following:
 - It is possible to change those parameters without reconfiguring and restarting integration flow.
 - The user can easily see in the source system which parameters are used to access the SAP Cloud Platform Integration content.
- It is not recommended to use this approach when it is not appropriate to grant integration content configuration rights to the people responsible for the back-end system setup.

5 Configuration Steps in SAP Backend Systems

5.1 Create Logical Ports in SOAMANAGER

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

Context

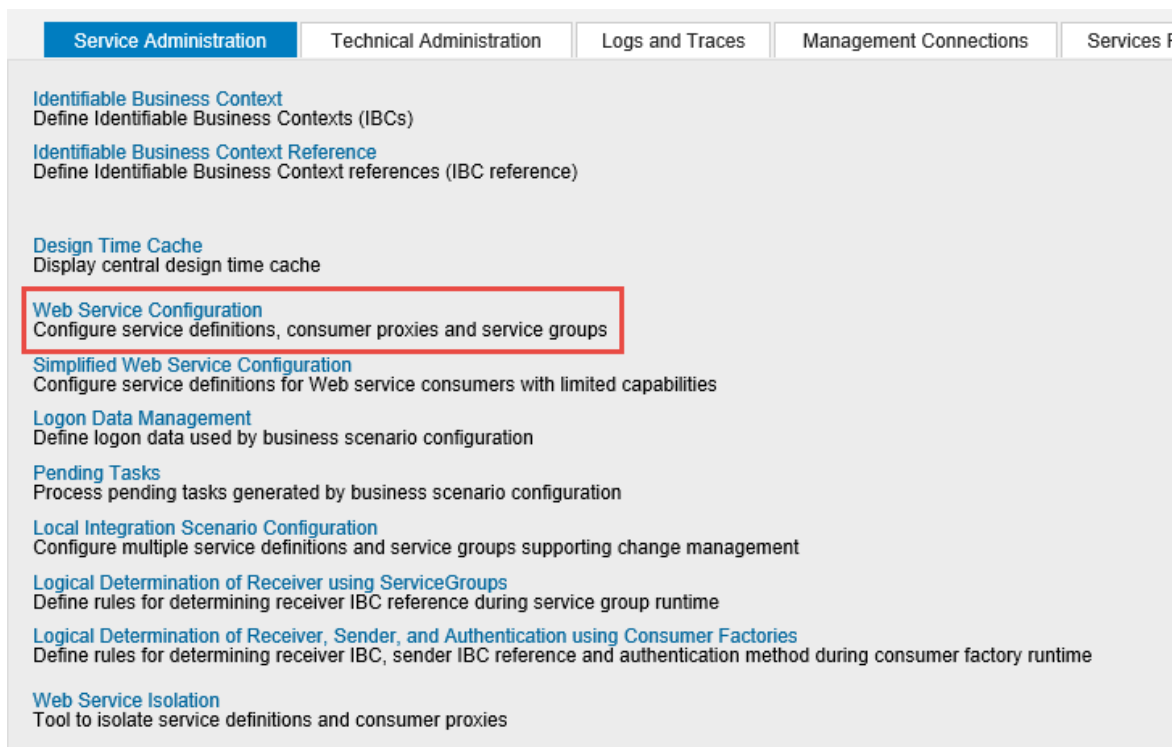
You configure proxies which are needed to connect to the SAP Cloud Platform Integration tenant via logical ports. In test SAP back-end systems, the logical ports are configured to connect to the test tenant. In productive SAP back-end systems, the logical ports are configured to connect to the productive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

i Note

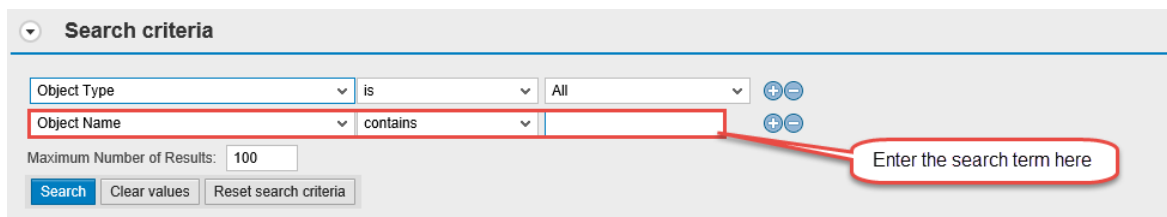
Depending on your release, the look-and-feel of the screens in your system may differ from the screenshots displayed below.

Procedure

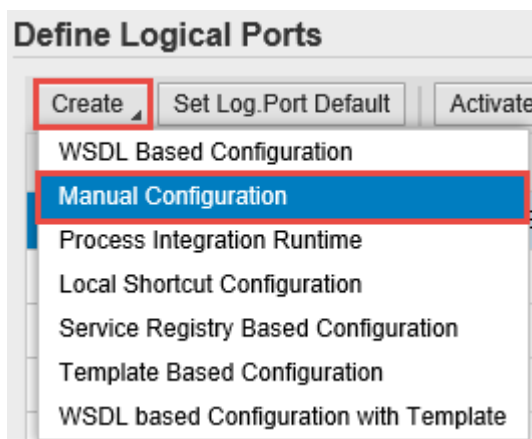
1. In your SAP back-end system, go to the SOAMANAGER transaction and search for [Web Service Configuration](#).



- Find the proxies for Spain SII with search term CO_ESSII*. For proxies for Canary Islands, use the search term *EDO_ES_CAN_*



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



The number of logical ports that you need to configure for each proxy depends on the number of AEAT certificates or integration flows that you are configuring.

For example, if you're configuring for two company codes (ES01 and ES02):

Proxy Name	Logical Port Name	Path
CO_ESSII_001_INCOMING_INVOICE	ESSII_PORT_ES01	cxf/SpainSIICommunicateES01
CO_ESSII_001_INCOMING_INVOICE	ESSII_PORT_ES02	cxf/SpainSIICommunicateES02
CO_ESSII_001_OUTGOING_INVOICE	ESSII_PORT_ES01	cxf/SpainSIICommunicateES01
CO_ESSII_001_OUTGOING_INVOICE	ESSII_PORT_ES02	cxf/SpainSIICommunicateES02
CO_ESSII_001_OUT_PAY_VOC_EN	ESSII_PORT_ES01	cxf/SpainSIICommunicateES01
CO_ESSII_001_OUT_PAY_VOC_EN	ESSII_PORT_ES02	cxf/SpainSIICommunicateES02
CO_ESSII_001_INC_CASH_PAYMENT	ESSII_PORT_ES01	cxf/SpainSIICommunicateES01
CO_ESSII_001_INC_CASH_PAYMENT	ESSII_PORT_ES02	cxf/SpainSIICommunicateES02

An example for Canary Islands:

Proxy Name	Logical Port Name	Path
CO_EDO_ES_CAN_INCOMING_INVOICE	LP_EDO_ESCAN_ES01	cxf/SpainSIICanaryzommunicateES01
CO_EDO_ES_CAN_INCOMING_INVOICE	LP_EDO_ESCAN_ES02	cxf/SpainSIICanaryCommunicateES02
CO_EDO_ES_CAN_INC_CASH_PAYMENT	LP_EDO_ESCAN_ES01	cxf/SpainSIICanaryzommunicateES01
CO_EDO_ES_CAN_INC_CASH_PAYMENT	LP_EDO_ESCAN_ES02	cxf/SpainSIICanaryCommunicateES02
CO_EDO_ES_CAN_OUTGOING_INVOICE	LP_EDO_ESCAN_ES01	cxf/SpainSIICanaryzommunicateES01
CO_EDO_ES_CAN_OUTGOING_INVOICE	LP_EDO_ESCAN_ES02	cxf/SpainSIICanaryCommunicateES02
CO_EDO_ES_CAN_OUTGOING_INVOICE	LP_EDO_ESCAN_ES01	cxf/SpainSIICanaryzommunicateES01
CO_EDO_ES_CAN_OUTGOING_INVOICE	LP_EDO_ESCAN_ES02	cxf/SpainSIICanaryCommunicateES02

4. Enter the logical port name and a description.

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

Back Next Finish Cancel

General Configuration Settings

* Logical Port Name:

Description:

Note

You can choose to use the dynamic private key alias. You must configure your certificates with a common suffix to concatenate it with the company NIF. In this case, you do not need to make several logical ports, the system will search for the suffix plus company NIF on the certificates.

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 Platform Integration.
 - a. If you use the basic authentication, select the *User ID / Password* and enter *User Name* and *Password*.
 - a. If you use certificate-based authentication, select *X.509 SSL Client Certification*. Ensure that the required certificates are available in the `STRUST` transaction.

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

New Manual Configuration of Logical Port for Consumer Proxy 'CO_ESSII_001_INCOMING_INVOICE'

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=ESSII_PORT_ES01

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:

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** ▾

* Host:

Port: **443**

* Path:

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:

Transport Binding

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

* Transport Binding Type: **SOAP 1.1** ▾

Maximum Wait for WS Consumer:

Optimized XML Transfer: **None** ▾

Compress HTTP Message: **Inactive** ▾

Compress Response: **True** ▾

Look up the host in Cloud Platform Integration Web UI

For each logical port, enter the path from the table above

Enter the proxy settings of your company's network

Port 443 is the standard port for the HTTPS protocol.

To find the Host, go to SAP Cloud Platform 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:

▼ / Manage Integration Content

Integration Content (147)

Name	Status
Integration Flow	Started

Deployed On: **Jun 01, 2017, 16:17:48** ID:

Deployed By: Version: **1.1.0**

ENDPOINTS STATUS DETAILS ARTIFACT DETAILS

https:// **/cxf/**

STATUS DETAILS

The Integration Flow is deployed successfully.

ARTIFACT DETAILS

[Monitor Message Processing](#)

[View Integration Flow](#)

1 Go to Operations View

2 Enter the iFlow name as search term

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

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.

- 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 (selected), 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 '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'.

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

SAP Cloud Platform 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 Platform Integration service (for example, for path `/cxfl/SpainSIICommunicateES01`) 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 SAP back-end systems, see SAP Note [2636341](#) for more information.

5.2 Define SOA Services for Communication

In Customizing for *Cross-Application Components*, choose **General Application Functions** **eDocument** **General Settings** **Define SOA Services for Communication** (EDOSOASERV view).

In this Customizing activity, you define SOA service names and assign the logical ports to the combination of a SOA service name and a company code as follows:

- Define the name for the following 5 SOA services:
 - Registration of Incoming Invoices: For example, ES_SII_REGIS_INC_INV
 - Registration of Outgoing Invoices: For example, ES_SII_REGIS_OUT_INV
 - Deregistration of Incoming Invoices: For example, ES_SII_DEREG_INC_INV
 - Deregistration of Outgoing Invoices: For example, ES_SII_DEREG_OUT_INV
 - Registration of Outgoing Payments: For example, ES_SII_REGIS_OUT_PAY
 - Registration of Incoming Cash Payments: For example, ES_SII_REGIS_INC_PAY
 - Deregistration of Incoming Cash Payments: For example, ES_SII_DEREG_INC_PAY

Note

In case you are configuring for several company codes, the SOA service name must not be multiplied, that is, each company code uses the same SOA service name but different logical ports. The logical port is the one you configured in section [Create Logical Ports in SOAMANAGER \[page 16\]](#).

- Maintain the entries in the Customizing activity.

For example, following the example shown in section [Create Logical Ports in SOAMANAGER \[page 16\]](#):

SOA Service Name	Company Code	Logical Port	SOA Service Description
ES_SII_DEREG_INC_INV	ES01	ESSII_PORT_ES01	Incoming Invoice Deregistration
ES_SII_DEREG_INC_INV	ES02	ESSII_PORT_ES02	Incoming Invoice Deregistration
ES_SII_DEREG_OUT_INV	ES01	ESSII_PORT_ES01	Outgoing Invoice Deregistration
ES_SII_DEREG_OUT_INV	ES02	ESSII_PORT_ES02	Outgoing Invoice Deregistration
ES_SII_REGIS_INC_INV	ES01	ESSII_PORT_ES01	Incoming Invoice Registration
ES_SII_REGIS_INC_INV	ES02	ESSII_PORT_ES02	Incoming Invoice Registration
ES_SII_REGIS_OUT_INV	ES01	ESSII_PORT_ES01	Outgoing Invoice Registration
ES_SII_REGIS_OUT_INV	ES02	ESSII_PORT_ES02	Outgoing Invoice Registration
ES_SII_REGIS_OUT_PAY	ES01	ESSII_PORT_ES01	Outgoing Payments Registration
ES_SII_REGIS_OUT_PAY	ES02	ESSII_PORT_ES02	Outgoing Payments Registration
ES_SII_REGIS_INC_PAY	ES01	ESSII_PORT_ES01	Incoming Cash Payment Registration
ES_SII_REGIS_INC_PAY	ES02	ESSII_PORT_ES02	Incoming Cash Payment Registration
ES_SII_DEREG_INC_PAY	ES01	ESSII_PORT_ES01	Incoming Cash Payment Deregistration
ES_SII_DEREG_INC_PAY	ES02	ESSII_PORT_ES02	Incoming Cash Payment Deregistration

Example for the Canary Islands:

SOA Service Name	Company Code	Logical Port	SOA Service Description
ES_CAN_DEREG_INC_INV	ES01	LP_EDO_ESCAN_ES01	Incoming Invoice Deregistration

SOA Service Name	Company Code	Logical Port	SOA Service Description
ES_CAN_DEREG_INC_INV	ES02	LP_EDO_ESCAN_ES02	Incoming Invoice Deregistration
ES_CAN_DEREG_INC_PAY	ES01	LP_EDO_ESCAN_ES01	Incoming Cash Payment Deregistration
ES_CAN_DEREG_INC_PAY	ES02	LP_EDO_ESCAN_ES02	Incoming Cash Payment Deregistration
ES_CAN_DEREG_OUT_INV	ES01	LP_EDO_ESCAN_ES01	Outgoing Invoice Deregistration
ES_CAN_DEREG_OUT_INV	ES02	LP_EDO_ESCAN_ES02	Outgoing Invoice Deregistration
ES_CAN_REGIS_INC_INV	ES01	LP_EDO_ESCAN_ES01	Incoming Invoice Registration/Modification
ES_CAN_REGIS_INC_INV	ES02	LP_EDO_ESCAN_ES02	Incoming Invoice Registration/Modification
ES_CAN_REGIS_INC_PAY	ES01	LP_EDO_ESCAN_ES01	Incoming Cash Payment Registration/Modification
ES_CAN_REGIS_INC_PAY	ES02	LP_EDO_ESCAN_ES02	Incoming Cash Payment Registration/Modification
ES_CAN_REGIS_OUT_INV	ES01	LP_EDO_ESCAN_ES01	Outgoing Invoice Registration/Modification
ES_CAN_REGIS_OUT_INV	ES02	LP_EDO_ESCAN_ES02	Outgoing Invoice Registration/Modification
ES_CAN_REGIS_OUT_PAY	ES01	LP_EDO_ESCAN_ES01	Outgoing Payment Registration VOC Vendor
ES_CAN_REGIS_OUT_PAY	ES02	LP_EDO_ESCAN_ES02	Outgoing Payment Registration VOC Vendor

5.3 Assign SOA Services to eDocument Interfaces

In Customizing for *Cross-Application Components*, choose [General Application Functions](#) > [eDocument](#) > [General Settings](#) > [Assign SOA Services to eDocument Interfaces](#) (EDOINTV view).

In this Customizing activity, you must assign the SOA service names you created before to an interface ID. The interface IDs are delivered by SAP as part of the Electronic Tax Register Books with SII solution and their names begin with ES_SII, for example:

Interface ID	SOA Service Name	Direction
ES_SII_DEREGI_IN_INV_REQUEST	ES_SII_DEREG_INC_INV	Outbound
ES_SII_DEREGI_IN_INV_RESPONSE	ES_SII_DEREG_INC_INV	Inbound

Interface ID	SOA Service Name	Direction
ES_SII_DEREGI_OUT_INV_REQUEST	ES_SII_DEREG_OUT_INV	Outbound
ES_SII_DEREGI_OUT_INV_RESPONSE	ES_SII_DEREG_OUT_INV	Inbound
ES_SII_REGIST_IN_INV_REQUEST	ES_SII_REGIS_INC_INV	Outbound
ES_SII_REGIST_IN_INV_RESPONSE	ES_SII_REGIS_INC_INV	Inbound
ES_SII_REGIST_OUT_INV_REQUEST	ES_SII_REGIS_OUT_INV	Outbound
ES_SII_REGIST_OUT_INV_RESPONSE	ES_SII_REGIS_OUT_INV	Inbound
ES_SII_REGIST_OUT_PAY_REQUEST	ES_SII_REGIS_OUT_PAY	Outbound
ES_SII_REGIST_OUT_PAY_RESPONSE	ES_SII_REGIS_OUT_PAY	Inbound
ES_SII_REGIST_IN_PAY_REQUEST	ES_SII_REGIS_INC_PAY	Outbound
ES_SII_REGIST_IN_PAY_RESPONSE	ES_SII_REGIS_INC_PAY	Inbound
ES_SII_DEREGI_IN_PAY_REQUEST	ES_SII_DEREG_INC_PAY	Outbound
ES_SII_DEREGI_IN_PAY_RESPONSE	ES_SII_DEREG_INC_PAY	Inbound

For Canary Islands:



Interface ID	SOA Service Name	Direction
ES_CAN_DEREGI_IN_EXT_REQUEST	ES_CAN_EX_DE_INC_INV	Outbound
ES_CAN_DEREGI_IN_EXT_RESPONSE	ES_CAN_EX_DE_INC_INV	Inbound
ES_CAN_DEREGI_IN_INV_REQUEST	ES_CAN_DEREG_INC_INV	Outbound
ES_CAN_DEREGI_IN_INV_RESPONSE	ES_CAN_DEREG_INC_INV	Inbound
ES_CAN_DEREGI_IN_PAY_REQUEST	ES_CAN_DEREG_INC_PAY	Outbound
ES_CAN_DEREGI_IN_PAY_RESPONSE	ES_CAN_DEREG_INC_PAY	Inbound
ES_CAN_REGIST_IN_INV_REQUEST	ES_CAN_REGIS_INC_INV	Outbound
ES_CAN_REGIST_IN_INV_RESPONSE	ES_CAN_REGIS_INC_INV	Inbound
ES_CAN_REGIST_IN_PAY_REQUEST	ES_CAN_REGIS_INC_PAY	Outbound
ES_CAN_REGIST_IN_PAY_RESPONSE	ES_CAN_REGIS_INC_PAY	Inbound
ES_CAN_REGIST_OUT_EXT_REQUEST	ES_CAN_EX_RE_OUT_INV	Outbound
ES_CAN_REGIST_OUT_EXT_RESPONSE	ES_CAN_EX_RE_OUT_INV	Inbound
ES_CAN_REGIST_OUT_INV_REQUEST	ES_CAN_REGIS_OUT_INV	Outbound
ES_CAN_REGIST_OUT_INV_RESPONSE	ES_CAN_REGIS_OUT_INV	Inbound

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