INTEGRATION GUIDE | PUBLIC
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Document Compliance for Portugal - SAP Cloud Platform Integration Guide (S/4HANA Cloud)

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Content

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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 S/4HANA Cloud* and the SAP Cloud Platform Integration tenant so that the integration between the systems work.

The setup steps are typically done by an SAP Cloud Platform Integration consulting team, which is responsible for configuring the SAP S/4HANA Cloud 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 S/4HANA Cloud 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 S/4HANA Cloud documentation and to the relevant tax authority information, respectively.

3 Prerequisites

3.1 Set Up SAP Cloud Platform Integration Tenants

SAP Cloud Platform Integration test and productive tenants are live and users in the tenants have the rights to copy the integration package and to configure and deploy the integration flow.

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

When your tenants are provisioned, you receive the Tenant Management (TMN) URL. You need this URL for the configuration of the SAP S/4HANA Cloud.

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 General Information

The package **SAP Document Compliance: Electronic Transport Registration for Portugal** contains the following iFlow:

iFlow for Document Compliance for Portugal

iFlow Name in WebUI	Project Name/Artifact Name
Manage Transport Registration	com.sap.GS.Portugal.ManageTransportRegistration

4.2 Deploying Key Pairs

Context

You deploy the key pairs to the SAP Cloud Platform Integration tenants. You need separated key pairs for testing and production environments.

Procedure

1. Contact SAP to request the necessary key pairs for authentication, which include `edocumentportugaltestdgita.p12` and `edocumentportugalproddgita.p12`. For that, open a customer incident under the `CA-GTF-CSC-EDO-PT` component.
2. Upload the private key in the *Keystore* app. Go to *Operations View* > *Keystore* > *Add* > *Key Pair*

You must upload the `edocumentportugaltestdgita.p12` and `edocumentportugalproddgita.p12` files to the keystore of the tenant. Create the alias for the key pair according to the following naming convention:

Value	Description
edocumentportugaltestdgita	Test environment
edocumentportugalproddgita	Production environment

Related Information

Adding User Credentials [page 7]
Copying Integration Flow [page 8]
Configuring Integration Flow [page 9]

4.3 Adding User Credentials

Context

To authenticate the request to the tax authority you need to add user credentials to the security materials.

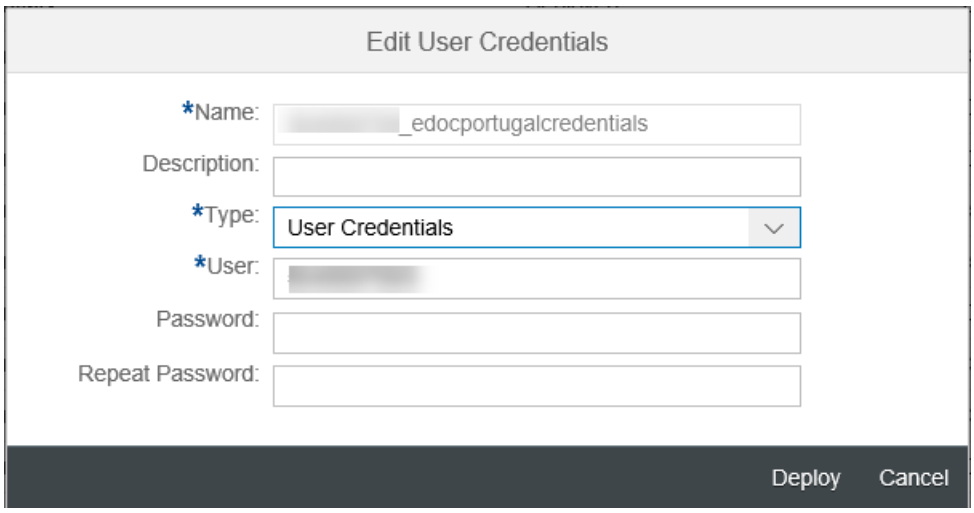
Procedure

Go to *Operations View* > *Security Material* > *Add* > *User Credentials* and enter the User ID and password to connect to the tax authority with the following alias:

User Credentials

Value	Description
<tax_code>_edocportugalcredentials	To connect to the tax authorities services in test environment.

> **i Note**
>
> Enter your tax code as a prefix for the crendential.



Related Information

Copying Integration Flow [page 8]
Configuring Integration Flow [page 9]

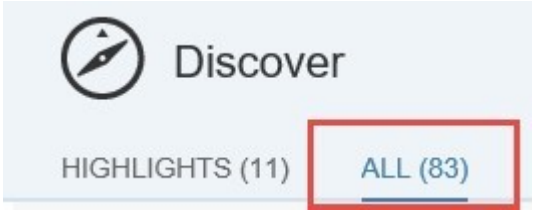
4.4 Copying Integration Flow

Context

Copy the iFlow in the package SAP Document Compliance: Electronic Transport Registration for Portugal to the target tenant as follows:

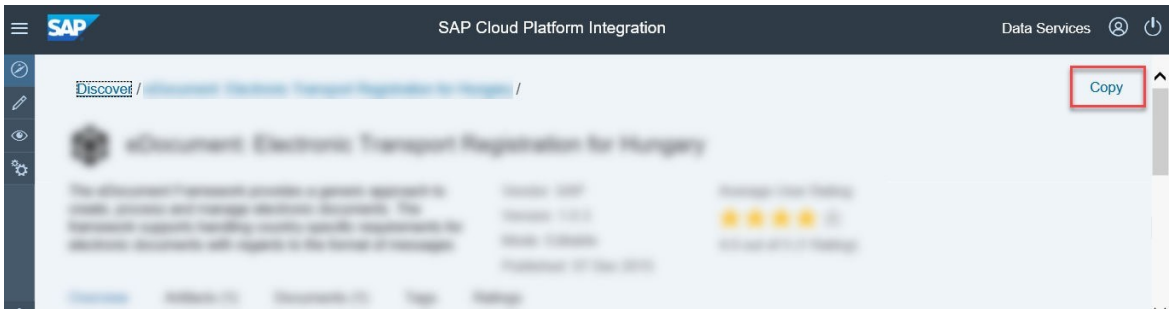
Procedure

1. In your browser, go to the WebUI of the tenant (URL: <Tenant URL>/itspaces/shell/catalog).
2. Choose *Discover* > *All* > .



3. Search for **SAP Document Compliance: Electronic Transport Registration for Portugal** .

4. Select the Package and choose *Copy*.



Related Information

Configuring Integration Flow [page 9]

4.5 Configuring Integration Flow

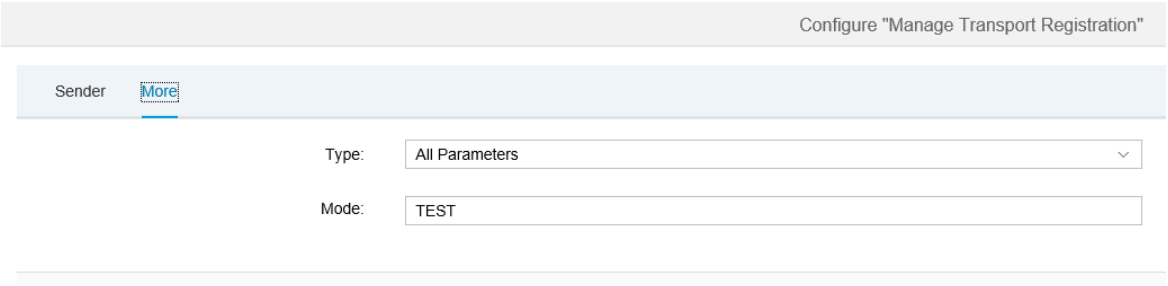
Context

You configure the package that you have copied as described in Copying Integration Flow [page 8].

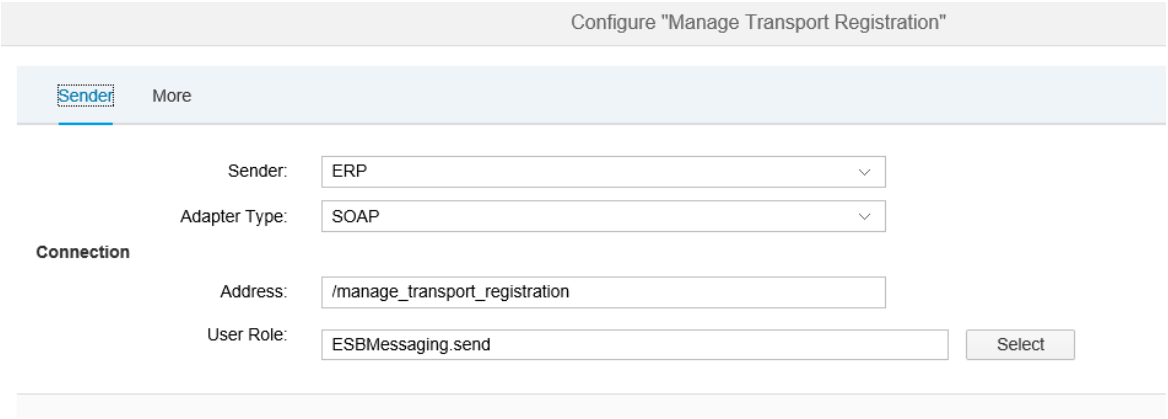
Procedure

1. There is one *Artifact* in the integration package SAP Document Compliance: Manage Transport Registration
2. Choose *Actions* > *Configure* for the artifact you are configuring.
3. Choose *Configure* > *More* tab (in some versions it may be *Externalized Parameters*). Use the `Mode` parameter to set up the integration package usage mode:

Value	Description
TEST	To use the test system of the tax authority.
PROD	To use the productive (that is, legally binding) system of the tax authority.



4. Choose *Configure* > *Sender* tab.
   - Use the `Address` parameter to set up the integration package address. Normally you don't have to change this field. In case you change the field, make sure to use the same address when configuring the logical ports in the next chapter.
   - Use the `User Role` parameter to configure the role based on which the inbound authorization is checked. Choose *Select* to get a list of all available roles.
     The role `ESBMessaging.send` is provided by default.



5. Choose *Save* and *Deploy* to deploy it actively to server. Note down the URLs of the endpoints for each service.

> **i Note**
>
> Depending on the version of your tenant, after pressing these buttons, a warning messages can appear. You can ignore these messages by choosing *Close* . The first two warnings are related to the payload attachments; currently the invoice registration process does not support or require message attachments (for example, scanned copies of invoices) in any stage of processing and communication.

5 Configuration Steps for SAP S/4HANA Cloud

The following sections tell you the necessary configuration you do in SAP S/4HANA Cloud.

5.1 Configuring Communication System

Configuration steps for SAP S/4HANA Cloud Communication System.

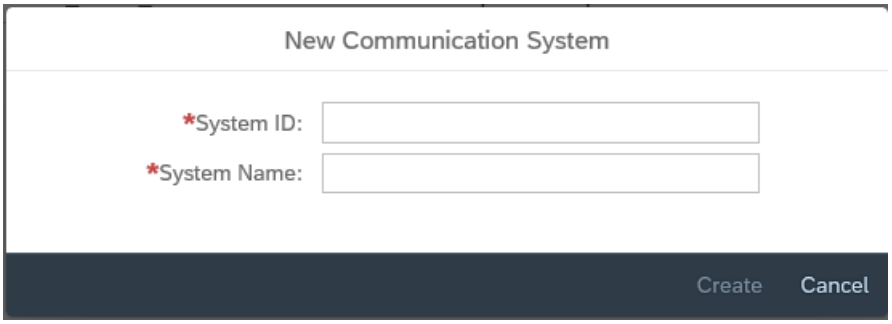
Prerequisites

1. Live SAP Cloud Platform Integration test or productive tenant must be available.
2. Communication management setups are not transportable and must be explicitly maintained in quality and production systems.
3. The SAP S/4HANA Cloud user, who is following this guide, must be assigned to the business catalog role SAP_BCR_CORE_COM (Communication Management) for accessing communication management application.

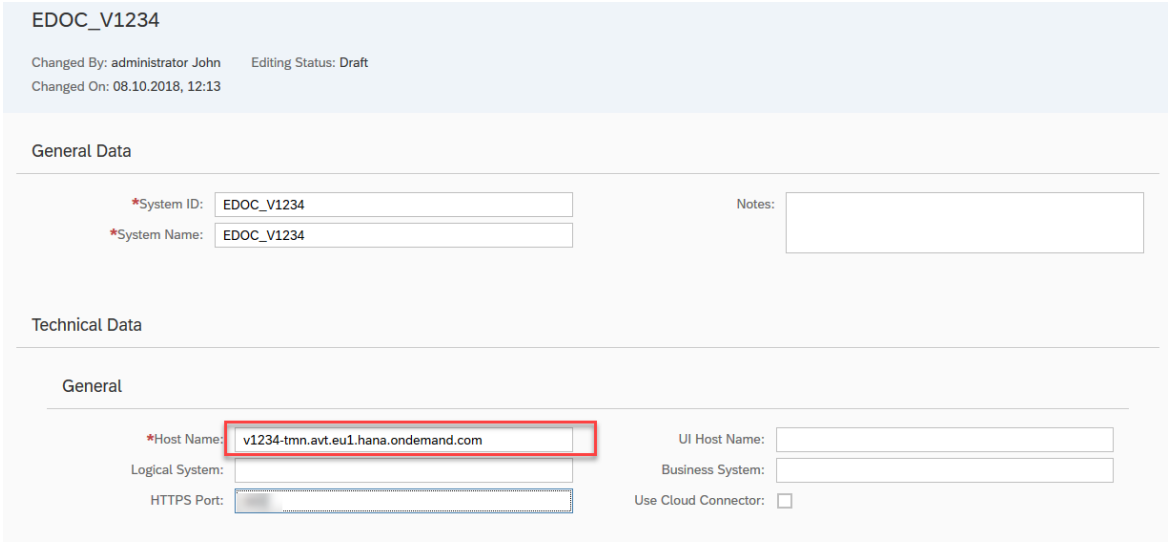
Procedure

1. Login to your S/4HANA Cloud tenant with the Cloud User.
2. Find and launch the application *Communication Systems*.

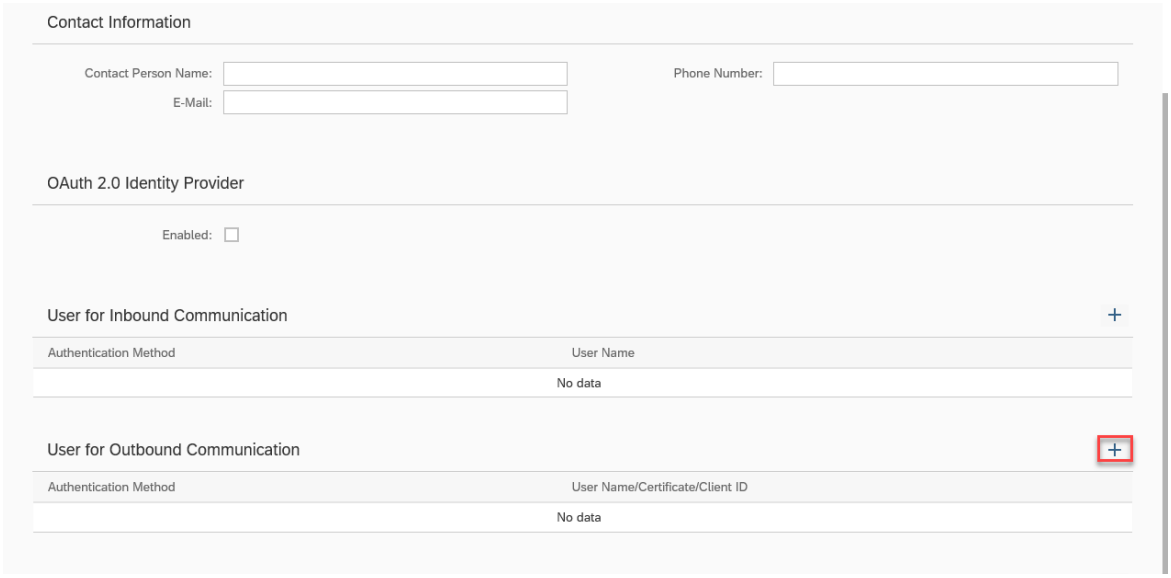
3. Choose *New*, and in the pop-up window, enter the *System ID* and *System Name*. Naming convention of *System ID* is `EDOC_<name of SAP Cloud Platform Integration tenant>`, for example, if the tenant host name is *v1234-tmn.avt.eu1.hana.ondemand.com*, then System ID is *EDOC_V1234*.



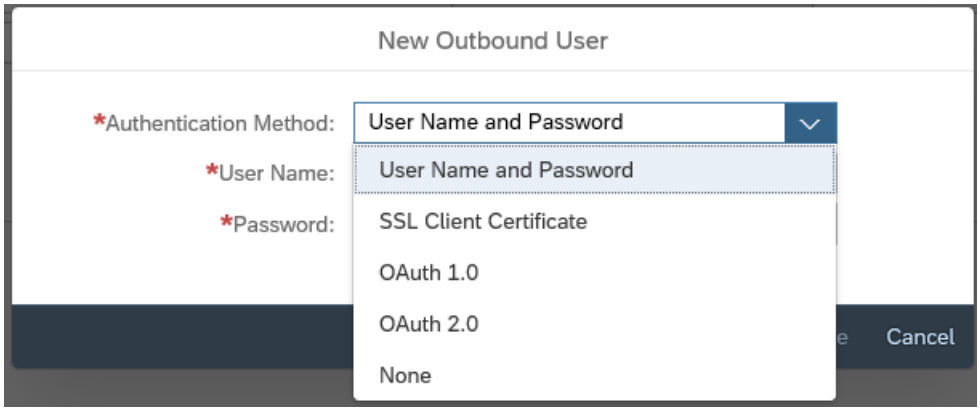
4. Choose *Create*.
5. On the next page, enter the host name and port of your tenant. Host name can be entered by looking up in the SAP Cloud Platform Integration Web UI.



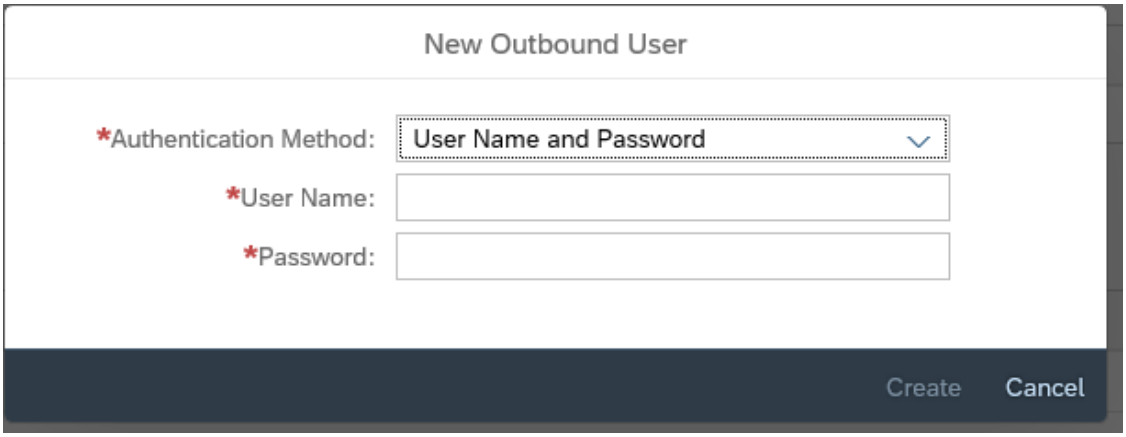
6. Scroll down, and choose + next to User for *Outbound Communication*.



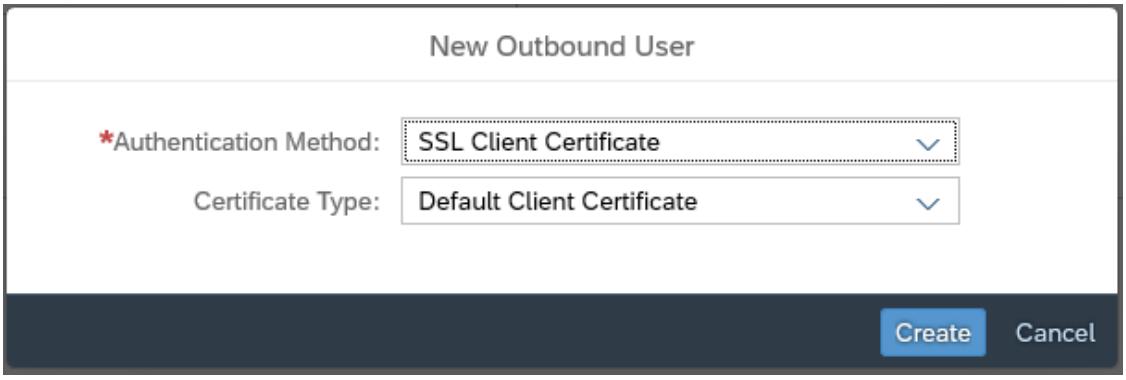
7. In the new pop-up window, select the appropriate authentication method to connect to your SAP Cloud Platform Integration tenant, as described in the Implementation Guide.



- For authentication method User Name and Password, just add the login and password of the tenant user, which has roles, acceptable by integration flow for your implementation package.



- For authentication method SSL Client Certificate, certificate type Default Client Certificate is available. Select *Default Client Certificate* type and choose *Create*.



8. Choose *Save*.

5.2 Configuring Communication Arrangement

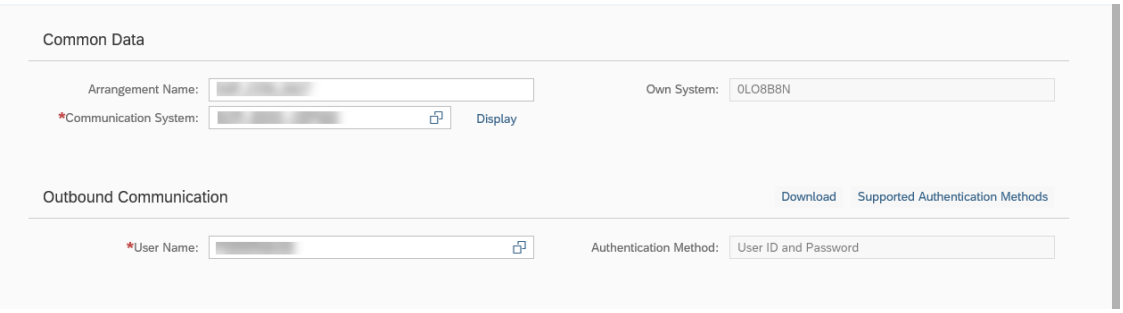
Configuration steps for SAP S/4HANA Cloud Communication Arrangement.

Procedure

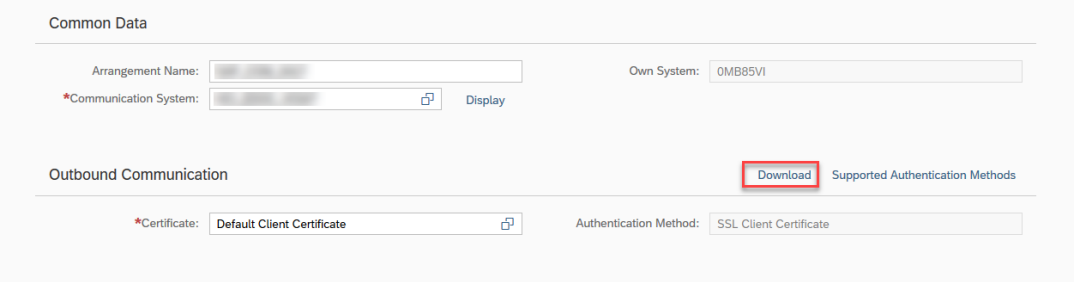
1. Login to your S/4HANA Cloud tenant with the Cloud User.
2. Find and launch the application *Communication Arrangements*.

3. Choose *New*. In the new pop-up window, enter the scenario `SAP_COM_0494` (which is the one designated for communication with the tax authority via SAP Cloud Platform Integration package) and an Arrangement Name. For Communication Arrangement name it is recommended to choose a name like `SAP_COM_0494_<name of SAP Cloud Platform Integration tenant>`, for example, `SAP_COM_0494_V1234` for tenant host name beginning with v1234-tmn.

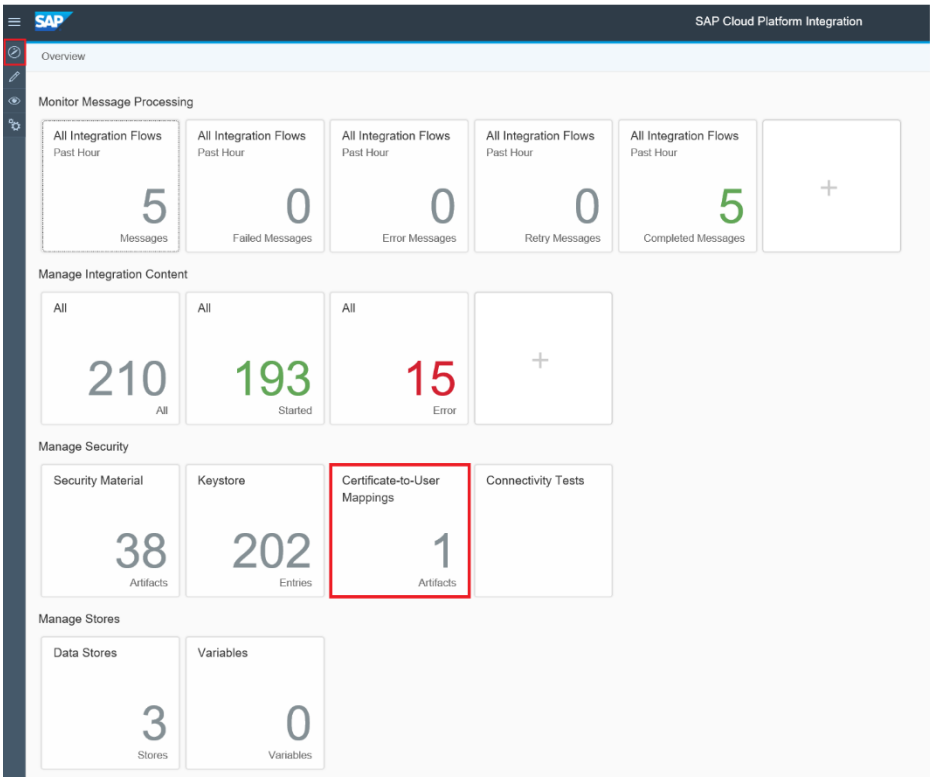
4. Choose *Create*.
5. In the new window, choose the communication system created in the previous step (for example, `EDOC_V1234`) and the authentication method, relevant to the communication system.
    - If the authentication is by User ID, then select *User Name and Password* from the *Outbound Communication* list.



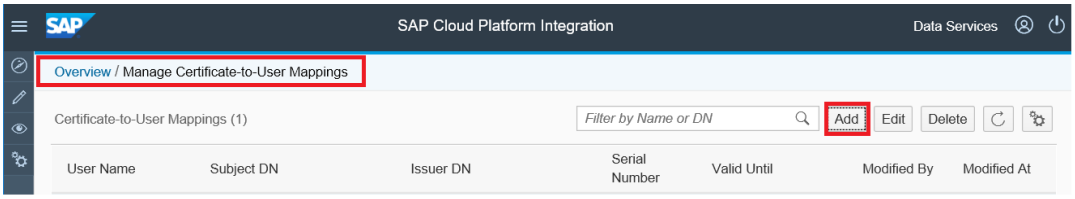
- If the authentication method is Default Client Certificate, you need to map the certificate to a user of your tenant with the the `ESBMessaging.send` role.
  1. Download SSL Client Certificate here and save it locally.



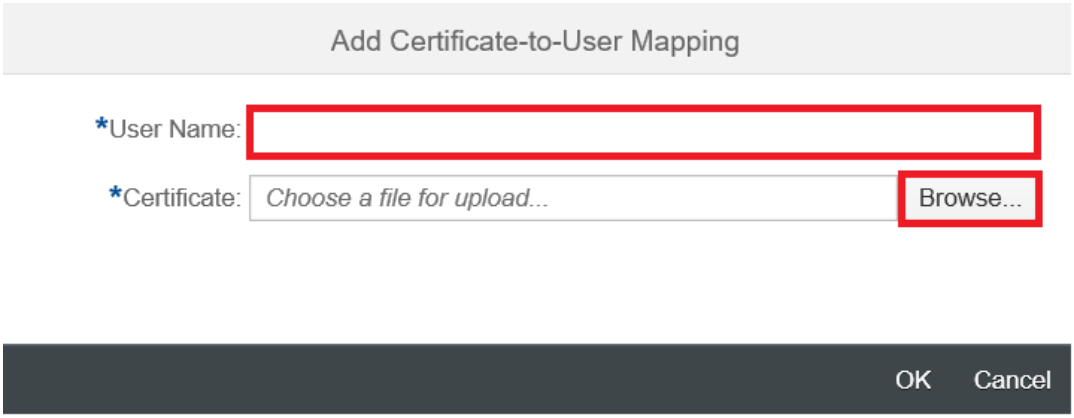
  2. Choose *Overview* > *Certificate-to-User Mappings*.



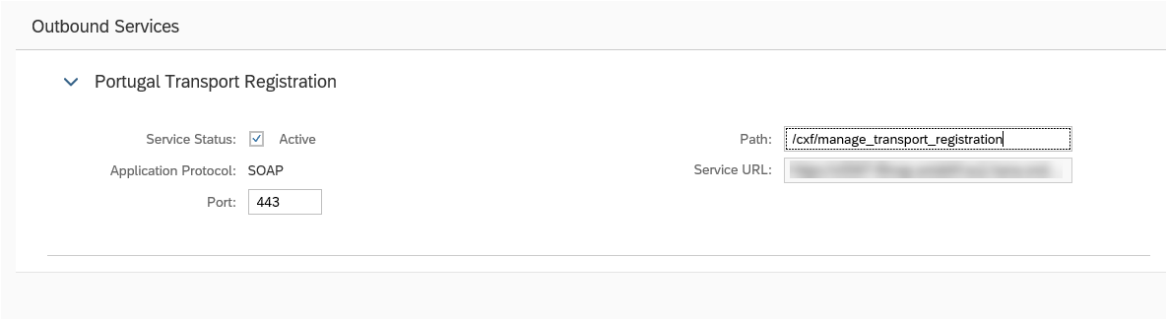
  3. Choose *Add*.



4. Enter a user name with `ESBMessaging.send` role, upload the SSL Client certificate from Communication Arrangement and choose *OK*.



6. Scroll down and enter the path part for your integration flow URL for all outbound services.



7. Choose *Save*.

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