

New Zealand Inland Revenue- Registering for Payroll Services

Public



Version	Date	Comment
1.0.0	19/06/2018	Initial release. Contains the steps for registering an employer with Inland Revenue for payroll services.
1.0.1	07/09/2018	Update to information required for registering with Inland Revenue



TABLE OF CONTENTS

- 1 OVERVIEW..... 3
- 2 FORM THE RETURN_URI..... 3
- 2.1 Get the SCPI Application’s HTTP URL 3
- 2.2 Setting the Sender Channel Address using user parameter for OAUTH IFLOW 4
- 3 SECURITY CERTIFICATE FOR AUTHENTICATION 5
- 3.1 Get the public key of the CA signed certificate 6
- 4 TESTING THE CONNECTION TO INLAND REVENUE 8

1 OVERVIEW

An employer must register their system with Inland Revenue before sending employee & employment files to them. To register, you will need to raise an incident with SAP under the component PY-NZ advising that you wish to register your SCPI system. You will need to provide the following:

- RETURN_URI: URL of the OAUTH application
- Public security certificate of the system from which the files will be sent
- The expected date that you will begin filing
- The company name(s) and company IRD number(s) you will be filing for.

SAP will then liaise with Inland Revenue to get your system registered and you will be advised in the incident once this is complete.

The following details how to obtain the first two items from your SCPI system and also how to test the connection once the details have been registered with Inland Revenue. Please note that the registration process is expected to take some time so please initiate the registration request as soon as you have installed the SCPI content package from SAP.

2 FORM THE RETURN_URI

New Zealand Inland Revenue server uses OAUTH 2.0 based authentication. The method adopted by Inland Revenue is “Authorization Code Grant”. This method would need an URL to be provided by the client requesting the OAUTH token. This URL is called RETURN_URI or Redirect URL. The return URI in our scenario is the URL of the SCPI Iflow “OAUTH Token” which is meant for Inland Revenue OAUTH 2.0 token services.

The RETURN_URI will be the combination of SCPI tenant’s application HTTP URL and a user defined parameter in the IFLOW.

Example:

If the following was present,

SCPI tenant’s application HTTP URL = <https://XXXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http>

User defined parameter in OAUTH IFLOW = /jsreturn

Then the RETURN_URI would be

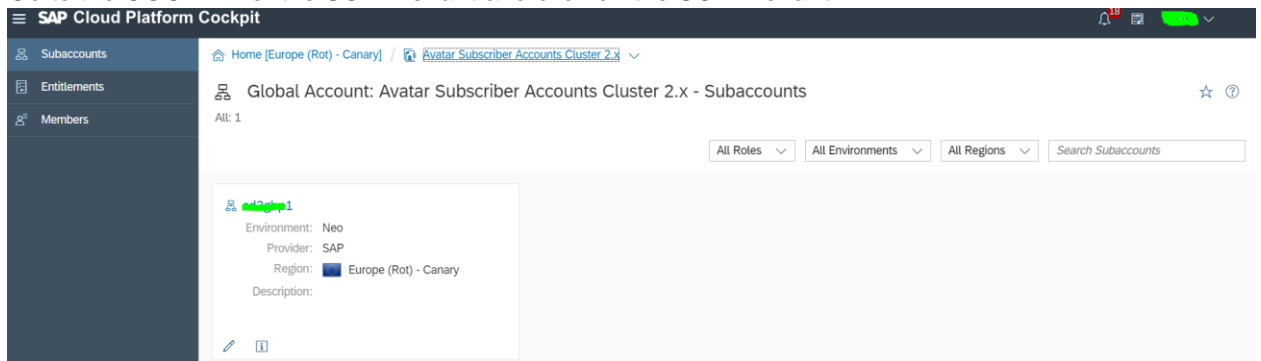
<https://XXXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http/jsreturn>

The following explains how to find the details described above.

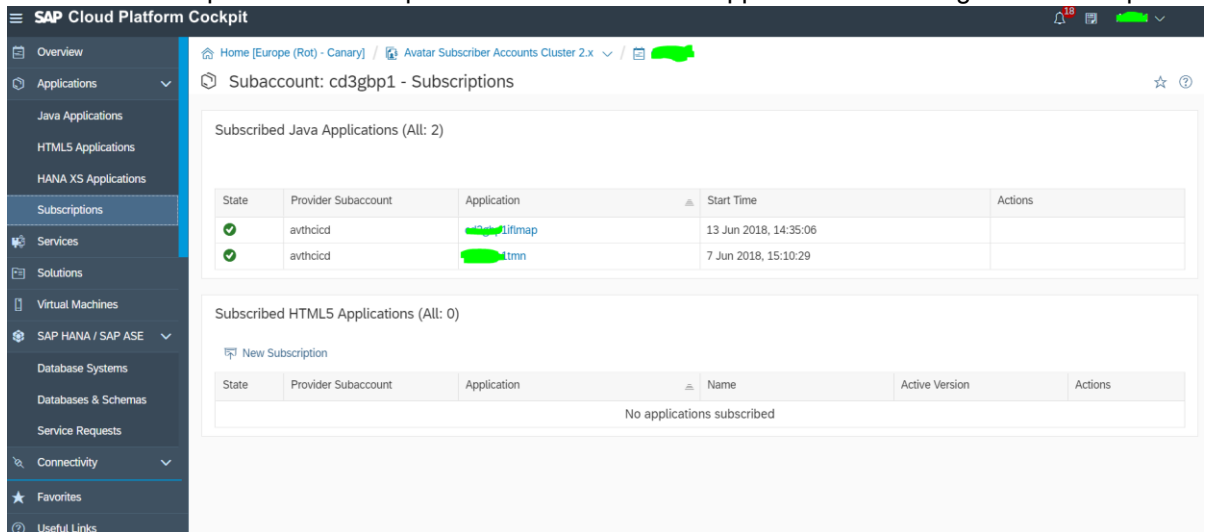
2.1 Get the SCPI Application’s HTTP URL

This is the first part of the URL of the RETURN_URI. It is fixed for a given SCPI tenant. Follow the steps to get the URL.

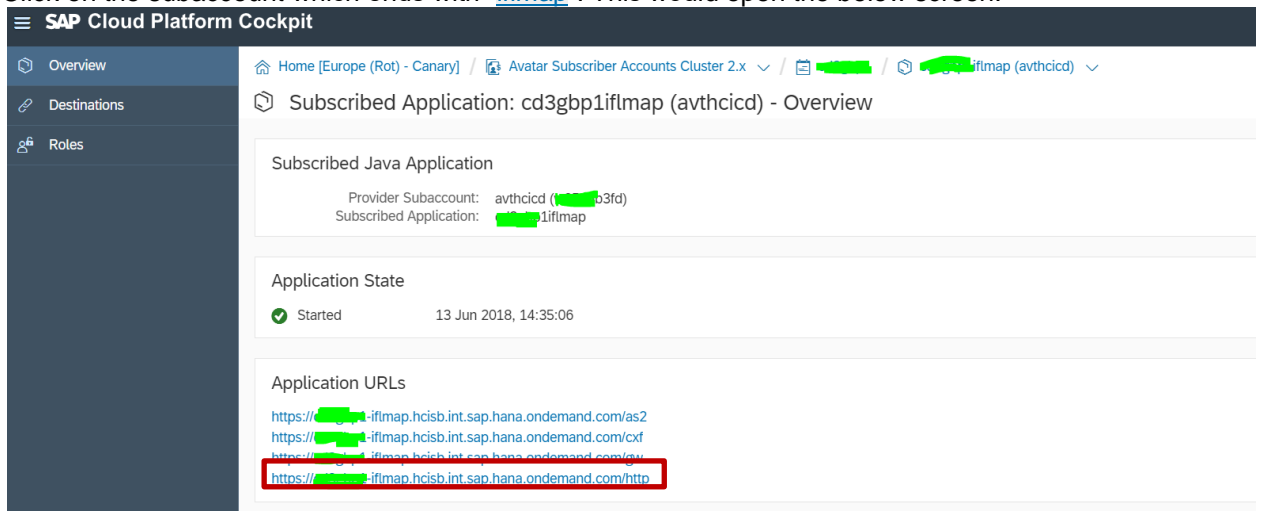
1. Go to the COCKPIT of the SCPI Tenant and click on the SCPI Tenant.



- Click on “Subscription”. This will open the subscribed JAVA applications on the right-hand side pane.



- Click on the subaccount which ends with “iflmap”. This would open the below screen.



The highlighted link is the Application’s HTTP URL = <https://XXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http>

2.2 Setting the Sender Channel Address using user parameter for OAUTH IFLOW

The prerequisite for this step is that the iflow “OAUTH Token” should have been installed in the SCPI tenant. The OAUTH Token iflow has a user parameter for sender address. Get the value assigned to the parameter address for this iflow as mentioned in the section 3.2.1 of the document “New Zealand Inland Revenue Reporting for Payroll”.

The value entered in the user parameter will be concatenated with the HTTP URL of SCPI which you have obtained from the previous step to form the RETURN_URI.

For Example:

The screenshot shows the SAP Cloud Integration design studio interface. At the top, there is a breadcrumb 'Design /' and buttons for 'Create' and 'Import'. Below this, a 'Design' header is visible. The main content area displays the details for an integration package named 'New Zealand Inland Revenue Reporting for Payroll'. It includes a description: 'This package provides the SAP Cloud integration contents which are part of New Zealand Pay Date Reporting. The contents are to be used for sending payroll data from SAP R/3 or SAP ECP system to Inland Revenue server.' Metadata such as 'Vendor: Version: 1.0.0' and 'Mode: Editable' is also shown. A navigation bar includes 'Overview', 'Artifacts (8)', 'Documents', 'Tags', and 'Comments'. A table lists two artifacts: 'OAUTH Token' and 'OAUTH Token Revoke', both of type 'Integration Flow' and version '1.0.0'. A context menu is open over the 'OAUTH Token' row, with the 'Configure' option highlighted in red.

Choose *Configure* and view the following configuration parameters:

Sender Tab

- The detail configured in the 'Address' field will be the parameter required for the second part of the `return_url`.

The screenshot shows the configuration parameters for the 'OAUTH Token' integration flow. The title is 'Configure "OAUTH Token"'. There are three tabs: 'Sender', 'Receiver', and 'More', with 'Sender' selected. The configuration is organized into sections: 'Sender' (Sender: Sender), 'Adapter Type' (Adapter Type: HTTPS), and 'Connection' (Address: /return, Authorization: User Role, User Role: ESBMessaging.send). A 'Select' button is located at the bottom right.

The `return_url` is now a combination of the tenant http url and the parameter above, e.g. <https://XXXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http/return>

3 SECURITY CERTIFICATE FOR AUTHENTICATION

The Inland Revenue server uses MUTUAL TLS method to authenticate a request made for submitting the ES and EI files. All the files which are sent from the SCPI to Inland Revenue should be signed by a certificate which is registered with Inland Revenue server.

Every SCPI tenant has Key Store where security certificate can be installed and used for communication purposes. As an employer you need to provide public key of a CA signed security certificate to Inland Revenue which they will install at their server. For this purpose, employer can adopt any of the following approaches.

- a. Use the preinstalled CA signed certificate with Alias as “**sap_cloudintegrationcertificate**” or “**hcicertificate**” in the SCPI tenant.

OR

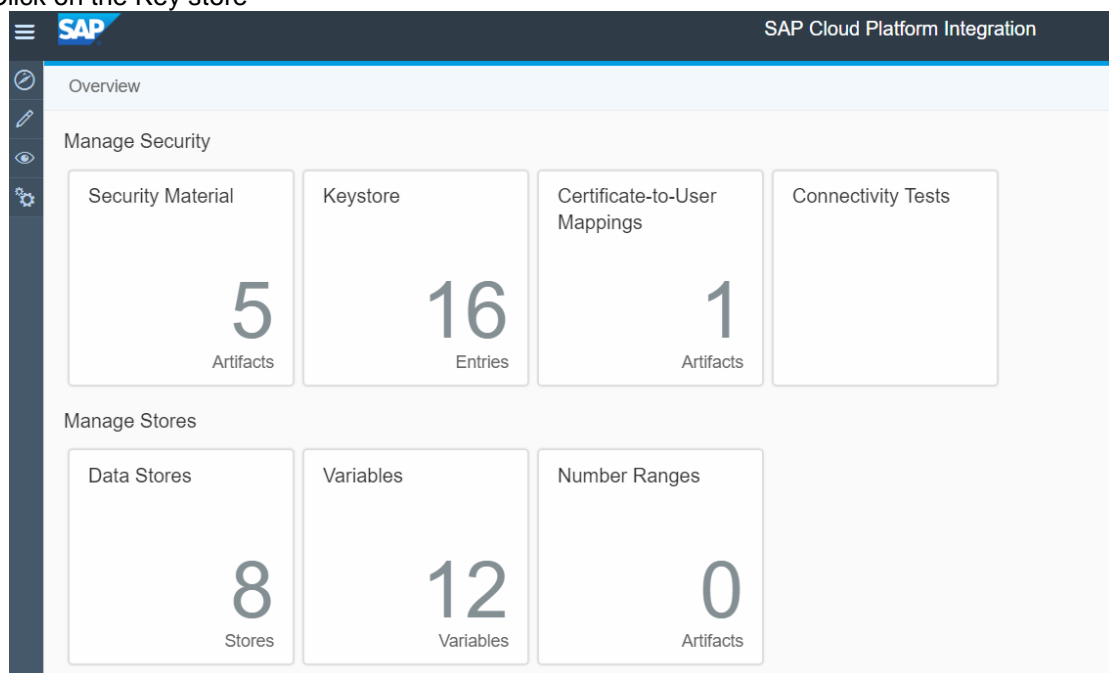
- b. Use their own existing CA signed certificate. In this case the certificate should be installed in the tenant first.

For more information about certificate deployment in SAP Cloud Platform Integration, see SAP Note **2469460 “Key-store management in SAP Cloud Platform Integration for process services”**.

Once you choose the certificate for communication, follow the process to get the public key which shall be given to Inland Revenue for registration.

3.1 Get the public key of the CA signed certificate

1. Go to the operations overview section of the SCPI tenant
2. Click on the Key store

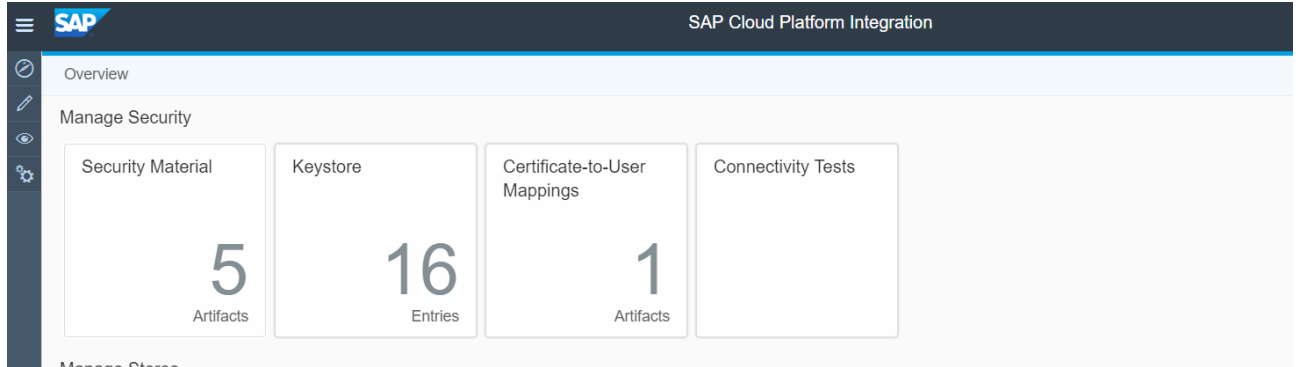


3. The view will have all the security certificates installed in the SCPI tenant and is listed with the Alias.

4 TESTING THE CONNECTION TO INLAND REVENUE

Once you have confirmation that registration is complete you can test the connection from your SCPI tenant to the Inland Revenue server.

- a. Go to the operations overview section of the SCPI tenant



- b. Click on “Connectivity Tests” tab and select the TLS tab.

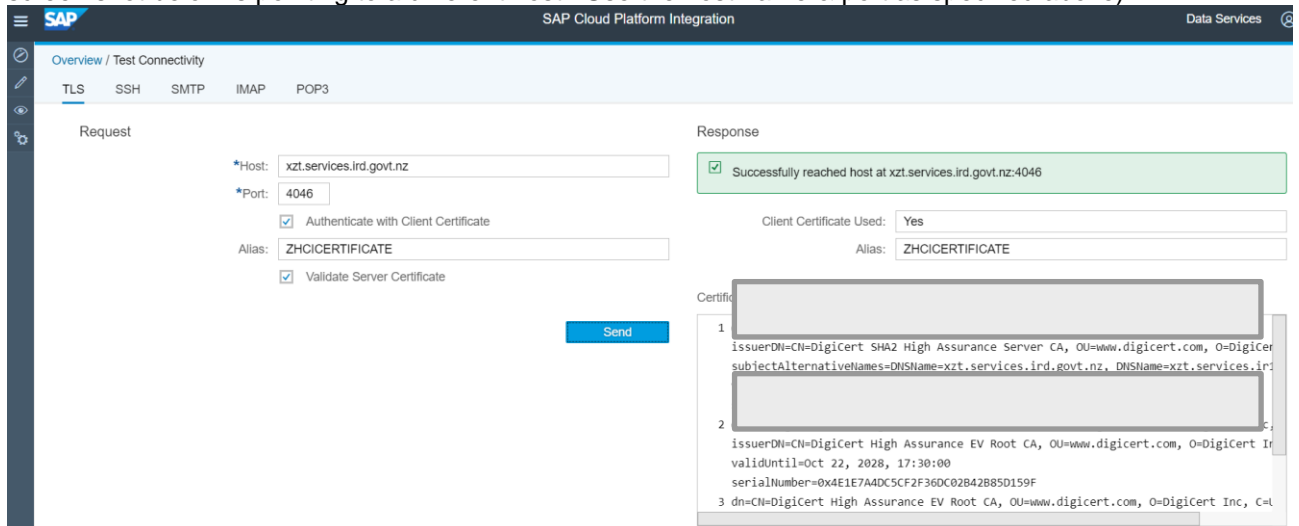
Host: services.ird.govt.nz

Port: 4046

Select “Authenticate With Client Certificate”

Alias: Name of the certificate which was provided to Inland Revenue

Click the button “Send” to test the connectivity. You should get the below response. (Note that the screen shot below is pointing to a different host. Use the host name & port as specified above).



Note that once the above has been tested you can confirm whether a token can be received by going to the B2A Manager transaction (PB2A) in SAP R/3 or ECP system and clicking the Get Token button (note that this requires the following prerequisites:

- SAP Note 2672190 to be applied in your system
- Registration has been completed

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- You are using the NZ variant of B2A Manager (If you do not see the Token related buttons you are not in the NZ variant. Select 'Go To' – 'Change Country Group' from the top menu to change the grouping to 43.)
 - You have a MyIR user name and password.

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