New Zealand IRD- Registering for Payroll Services

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1 OVERVIEW

An employer must register their system with Inland Revenue before sending employee & employment files to them. If you are using Version 1 file, that means you have already registered your system with Inland Revenue Department. In that case, need not to repeat this process. If you are using this SAP Pay Date Filling solution to submit your employee & employment details to IRD first time or there is a change in Common Name (CN), then please follow below steps to register your system with Inland Revenue Department.

To register, you will need to raise an incident with SAP under the component PY-NZ advising that you wish to register your SCI 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 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 SCI system.
Please note that the registration process is expected to take some time (at least a week), so please initiate the registration request as soon as you have installed the SCI content package from SAP.

2 FORM THE RETURN_URI

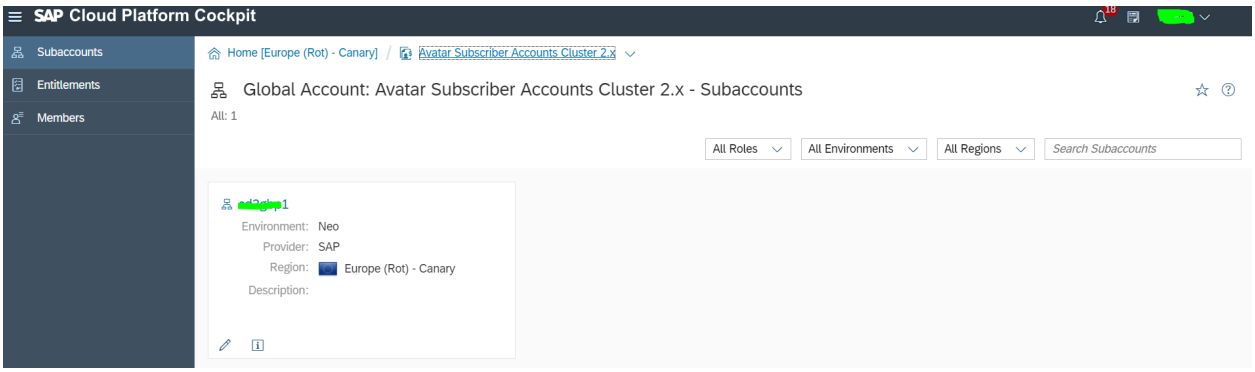
New Zealand IRD server uses OAUTH 2.0 based authentication. The method adopted by IRD is "Authorization Code Grant". This method would need an URL to be provided by the client requesting the OAUTH token. This URL is called RETURN_URI or Redirect URL. The return URI in our scenario is the URL of the SCI Iflow "OAUTH Token V2" which is meant for IRD OAUTH 2.0 token services.

The RETURN_URI will be the combination of SCI tenant's application HTTP URL and a user defined parameter in the IFLOW.
Example:
SCI tenant's application HTTP URL = https://XXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http
User defined parameter in OAUTH IFLOW = /jsreturn
RETURN_URI = https://XXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http/jsreturn

2.1 Get the SCI Application's HTTP URL

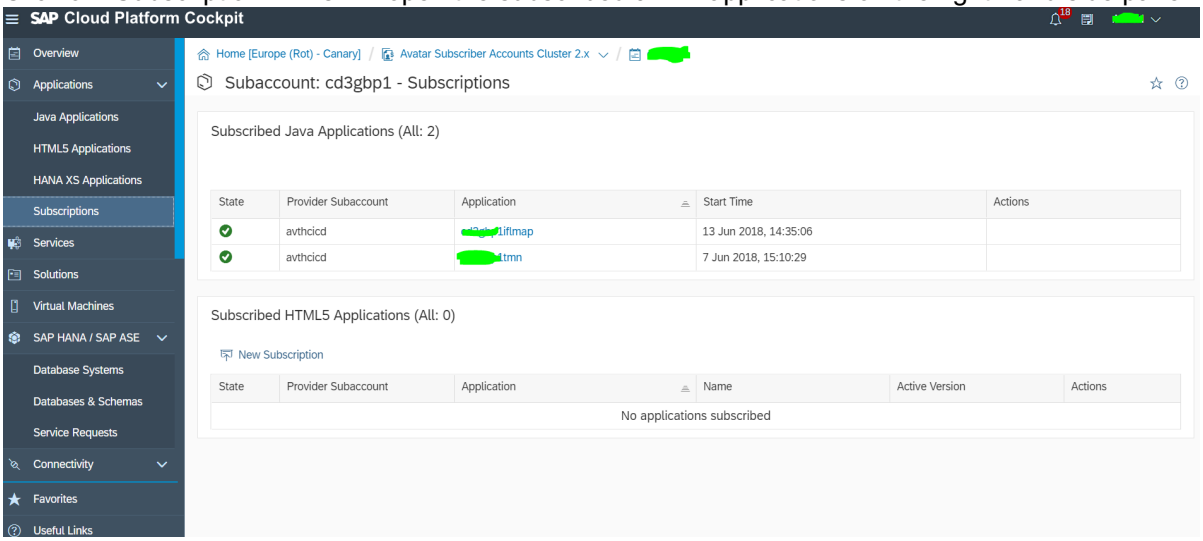
This is the first part of the URL of the RETURN_URI. It is fixed for a given SCI tenant. Follow the steps to get the URL.

1. Go to the COCKPIT of the SCI Tenant

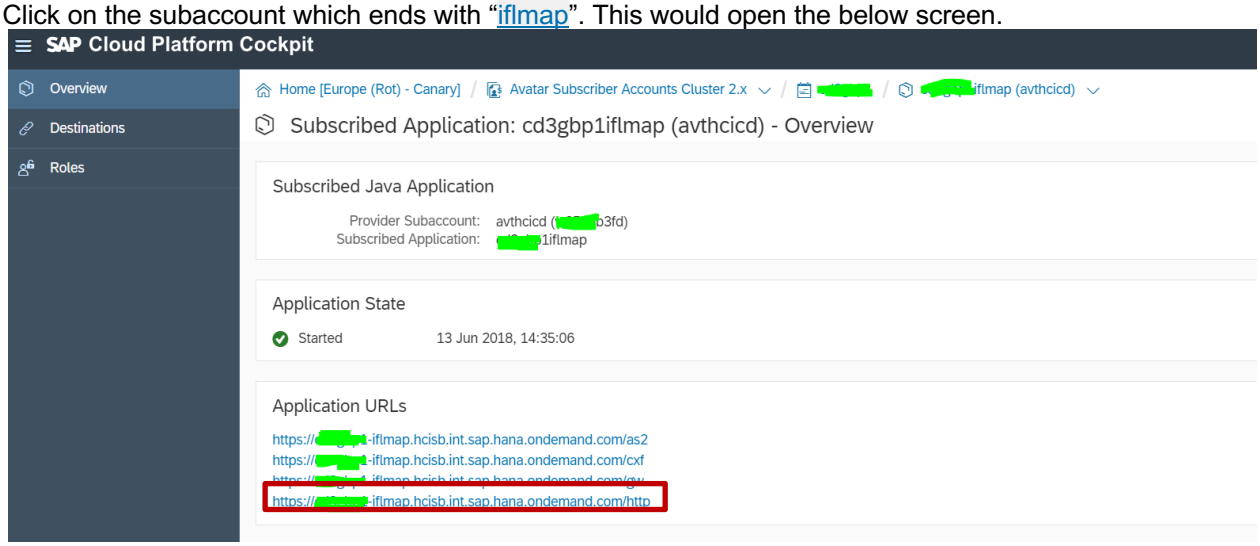


Click on the SCI Tenant.

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



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



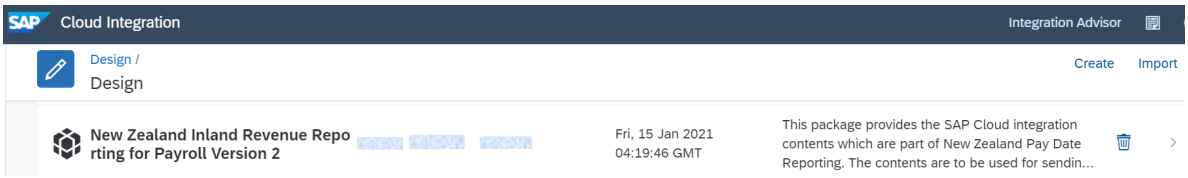
The highlighted link is the Application’s HTTP URL = https://XXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http

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

The external parameter is provided to enable customers to configure the data as per their requirement. The sender channel for OAUTH Iflow is HTTP. The value entered in the user parameter will be concatenated with the HTTP URL of SCI which you have obtained from the previous step. The concatenated value forms the URL for the Iflow and shall be used to invoke it from a web browser.

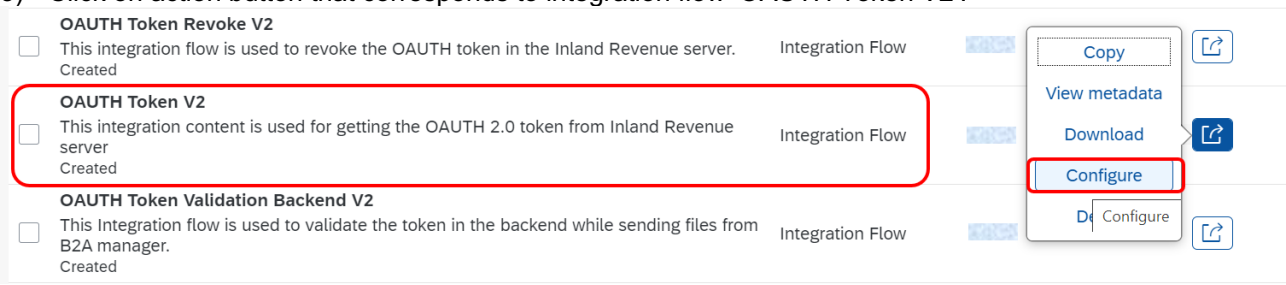
This step is part of IFLOW deployment which is also mentioned in the document “New Zealand Inland Revenue Reporting for Payroll V1.1.0”.

1) Go to the integration package that was copied from the original ‘New Zealand Inland Revenue Reporting for Payroll Version 2’



2) Click on the Artifacts tab

3) Click on action button that corresponds to integration flow 'OAUTH Token V2'.

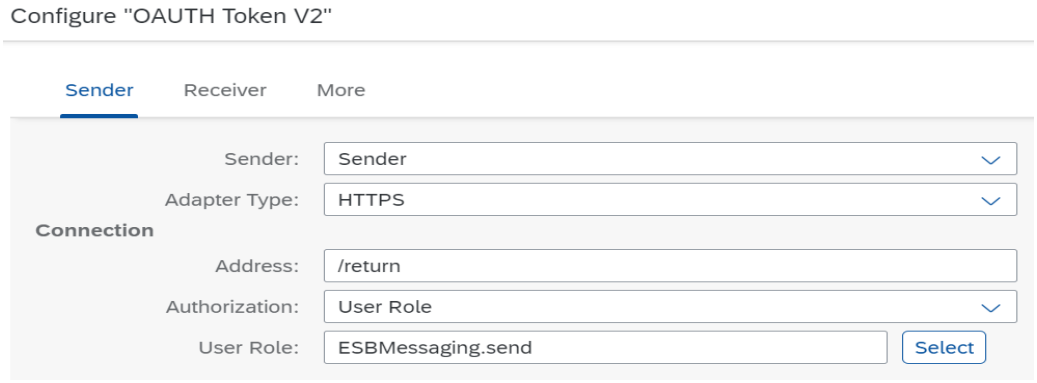


4) Choose *Configure* and maintain the following configuration parameters:

Sender Tab

The sender for this scenario is the IRD server. The IRD server will be routing the OAUTH Authorisation code which will be processed in this IFLOW and then sent to OAUTH server to get the OAUTH token.

- Update the connection address in the format "/XXXXX", where XXXX can be any meaningful word for return URL.



The address configured here will be the suffix used to form the RETURN_URL for OAUTH 2.0 token as required by IRD.

Note: The connection address must be unique within a tenant. If you already have Version 1 OAUTH Token available with same URL, Kindly Undeploy the OAUTH Token (Version 1) iflow before deploying OAUTH Token V2 (Version 2) iflow.

Once the Iflow is deployed in the SCI tenant, you can access the IFLOW by adding the HTTP URL and the user parameter.

Example: https://XXXXX-iYYY.hcisb.int.sap.hana.ondemand.com/http/return

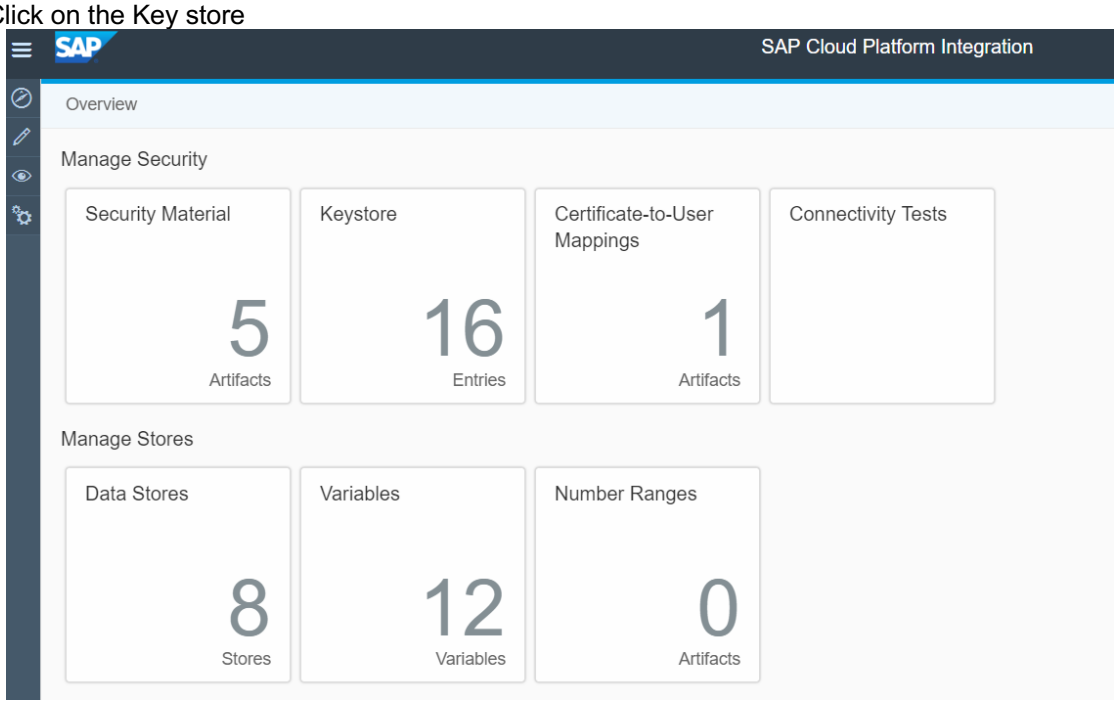
3 SECURITY CERTIFICATES FOR AUTHENTICATION AT IRD

The IRD 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 SCI to IRD should be signed by a certificate which is registered with IRD. Every SCI tenant has Key Store where security certificate can be installed and used for communication purpose. As an employer you need to provide public key of a CA signed security certificate to IRD which they will install at their server. For this purpose, employer can adopt any of the below approaches.

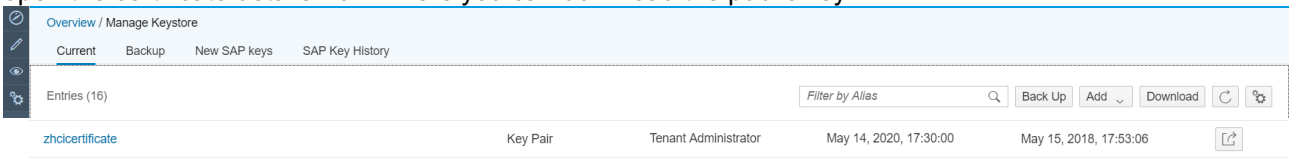
a. Use the CA signed certificate which is installed by default to the SCI tenant.
b. Use their own existing CA signed certificate. In this case the certificate should be installed in the tenant first.

Get the public key of the CA signed certificate which you wish to provide the IRD by following the steps,

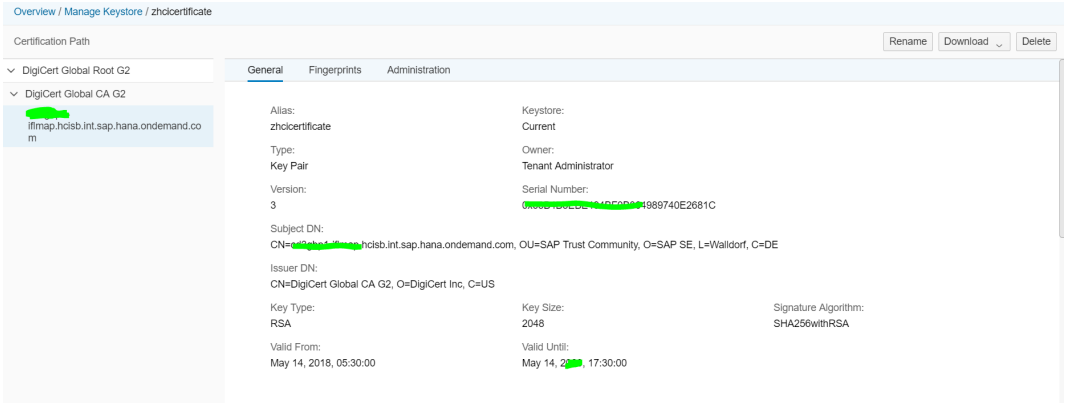
1. Go to the operations overview section of the SCI tenant
2. Click on the Key store



3. The view will have all the security certificates installed. Click on the HCICERTIFICATE which will open the certificate details from where you can download the public key.



4. Click on the certificate which you wish to connect with IRD. Download the public key by clicking on the download button the screen



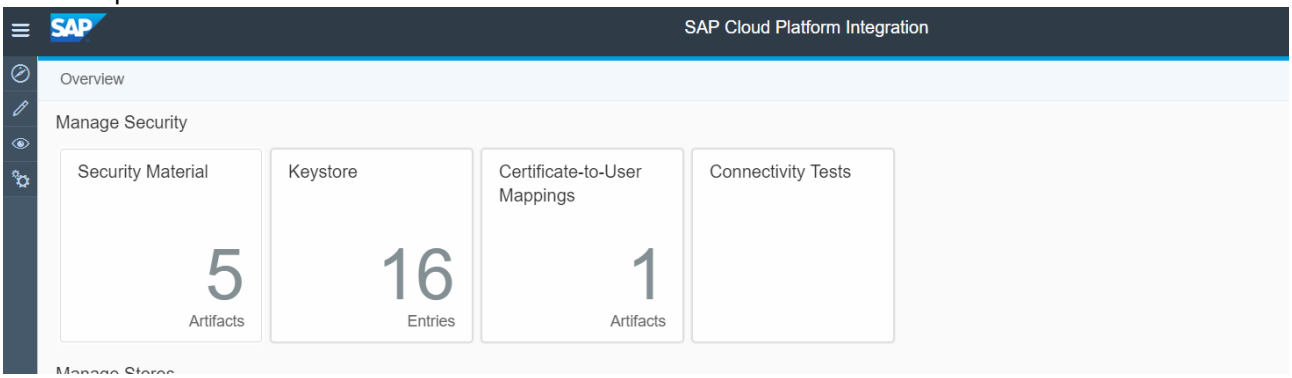
For more information about certificate deployment in SAP Cloud Integration, see SAP Note **2469460 "Key-store management in SAP Cloud Platform Integration for process services"**.

You will be using the **ALIAS** name of the certificate in the Iflows which are meant for sending the ES and EI files.
Attach this certificate to the registration incident you raise with SAP, along with the return_uri obtained in step one. Also remember to include your company IRD name and number.

4 TESTING THE CONNECTION TO IRD

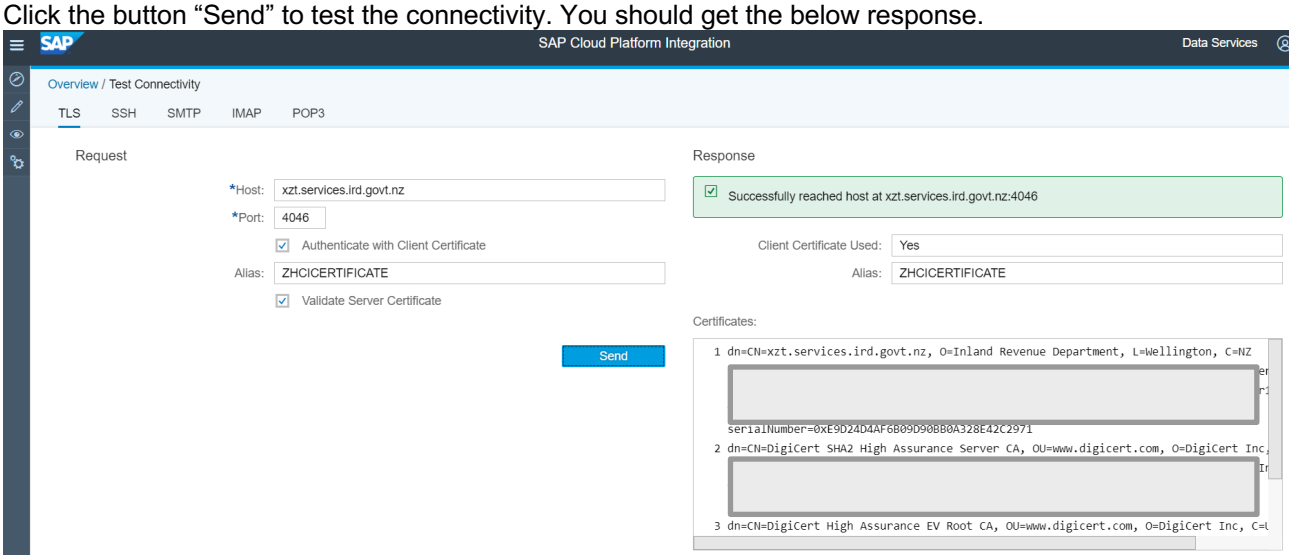
Once the certificate is confirmed to be installed at IRD server, you can test the connection from your SCI tenant to the IRD server.

a. Go to the operations overview section of the SCI 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 IRD

Click the button "Send" to test the connectivity. You should get the below response.



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