

New Zealand Inland Revenue Reporting for Payroll

SAP Cloud Integration Configuration Document

Public



Integration Package – IRD File Version 2

Version	Date	Comment
1.0.0	02/02/2021	Phase 2 release. Contains four artifacts for OAUTH Token and four artifacts each for create, update, terminate and pay date reporting.
1.0.1	12/03/2021	In this version Sender Client Certificate is enabled for configuration.
1.0.2	26/03/2021	In this version the correct user token is used while sending the files.
1.0.3	29/03/2021	This version contains the correction for iflow OAUTH Token V2 and update the name of the Logical Port name for Terminate in Section 6.1
1.1.0	07/02/2023	This version contains the changes made for integrating with START IAM which handles Authorisation Tokens. Configurable Receiver Connection Addresses are changed for OAUTH iFlows, as mentioned in section 5.2
1.1.1	07/03/2023	Corrected client secret of version 1.1.0
1.1.2	09/01/2025	Simple Parser Exception after Upgrade to Camel Runtime 3.14
1.1.3	16/07/2026	Updated IRD certificate alias name, externalized Authorization (client secret) parameter for OAUTH related iFlows, enabled customer-side configuration for Client ID via table V_T50BK to support the new requirement to utilize IR

		issued certificates
1.1.4	27/07/2026	Updated the OAUTH authentication mechanism by externalizing client Id parameter for OAUTH-related iFlows, dynamically concatenating the credentials and Base64 encoding them to populate the Authorization header for Basic Auth



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1 OVERVIEW

In New Zealand information about employees and their payments must be sent to Inland Revenue each pay date. This information needs to be submitted directly from the SAP payroll system to Inland Revenue. The communication part of this process is taken care of by SAP Cloud Integration.

There are multiple types of files that can be sent to Inland Revenue and each of these has their own 'iflows' created in SAP Cloud Integration. However, before the files can be sent the appropriate authorization credentials must be established with Inland Revenue and an OAUTH token received. This token can be validated or revoked and each of these 'services' is also an 'iflows' in SAP Cloud Integration.

In order to set up SAP Cloud Integration for these processes, there are some required configuration steps in both the SAP payroll system and the SAP Cloud Integration tenant. This document details that configuration. These steps are typically taken care of by an SAP Cloud Integration consultant or SAP Basis person who is responsible for configuring the SAP ERP - SAP Cloud Integration connection and maintaining the integration content and certificates/credentials on the SAP Cloud Integration tenant.

Note that the Inland Revenue server currently has no ability to accept test files, so the following assumes that all configuration is set for the production system.

For a full overview of the Pay Date Reporting process refer to SAP Note 2672190.

Version 1.0.0

Initial Version for Phase 2 release

Version 1.0.1

This version is to enable the fields for Sender Client Certificate for configuration. These are the i-flows updated:

- Employee Services - Create V2 (Version - 1.0.1)
- Employee Services - Terminate V2 (Version - 1.0.1)
- Employee Services - Update V2 (Version - 1.0.1)
- Employment Information - Pay Date File V2 (Version - 1.0.1)

Version 1.0.2

This version is to enable the fields for Sender Client Certificate for configuration. These are the i-flows updated:

- Employee Services - Create V2 (Version - 1.0.2)
- Employee Services - Terminate V2 (Version - 1.0.2)
- Employee Services - Update V2 (Version - 1.0.2)
- Employment Information - Pay Date File V2 (Version - 1.0.2)
- OAUTH Token V2 (Version - 1.0.1)

Version 1.0.3

In this version section 6.1 is updated for the document "New Zealand Inland Revenue Reporting for Payroll". The name of the logical port name LP_CO_HRNZ_IDRED_TERMINATE_CPI is updated to LP_CO_HRNZ_IRDED_TERMINATE_CPI.

This version is to correct the variable creation of while getting the token with Global scope. The i-flow updated:

- OAUTH Token V2 (Version - 1.0.2)

Version 1.1.0

This version contains the changes made for integrating with START IAM which handles Authorisation Tokens. These are the i-flows updated:

Cosmetic Improvements for the below four:

- Employee Services - Create V2 (Version - 1.0.3)
- Employee Services - Terminate V2 (Version - 1.0.3)
- Employee Services - Update V2 (Version - 1.0.3)
- Employment Information - Pay Date File V2 (Version - 1.0.3)

Changes made for new START IAM endpoint and API signature for the below four:

- OAUTH Token V2 (Version - 1.1.0)
- OAUTH Token Revoke V2 (Version - 1.1.0)
- OAUTH Token Validation V2 (Version - 1.1.0)
- OAUTH Token Validation Backend V2 (Version - 1.1.0)

Version 1.1.1

Corrected client secret of version 1.1.0

Kindly go to latest version of Integration package “New Zealand Inland Revenue Reporting for Payroll Version 2 “(Version 1.1.1) and copy the updated i-flows maintained above. Once updated, reconfigure the i-flows as per the package implementation instructions. Please note that no additional new configuration fields are introduced.

Version 1.1.2

This version includes the changes made to address the Simple Parser Exception after upgrading to Camel Runtime 3.14. These are the i-flows updated:

- Employee Services - Create V2 (Version - 1.0.4)
- Employee Services - Terminate V2 (Version - 1.0.4)
- Employee Services - Update V2 (Version - 1.0.4)
- Employment Information - Pay Date File V2 (Version - 1.0.4)
- OAUTH Token V2 (Version - 1.1.2)
- OAUTH Token Revoke V2 (Version - 1.1.2)
- OAUTH Token Validation V2 (Version - 1.1.2)
- OAUTH Token Validation Backend V2 (Version - 1.1.2)

Version 1.1.3

This version includes the following changes:

- Transition to Inland Revenue (IRD) Issued Certificates. Certificate authentication will move from the SAP-issued SCI integration certificate to one issued by Inland Revenue. The integration from the sending system (SCI) is ultimately controlled by and managed by our customers and hence the pay day filing relationship will move to a direct relationship between customers and Inland Revenue, rather than through SAP.
- Updated the Private Key Alias configuration. Once the IRD-issued certificate is received and uploaded into the keystore, the corresponding alias name must be updated in the Private Key Alias field value within the following four updated iFlows (refer to Sections 5.3.1 to 5.3.4):
 - Employee Services - Create V2 (Version - 1.0.5)
 - Employee Services - Terminate V2 (Version - 1.0.5)
 - Employee Services - Update V2 (Version - 1.0.5)
 - Employment Information - Pay Date File V2 (Version - 1.0.5)
- Externalized Authorization parameter for OAUTH-related iFlows. The client secret is no longer maintained in the iFlow Groovy scripts. Customers must configure the c parameter externally in the relevant OAUTH iFlows (refer to Sections 5.2.1 to 5.2.4). These are the i-flows updated:
 - OAUTH Token V2 (Version - 1.1.3)
 - OAUTH Token Revoke V2 (Version - 1.1.3)
 - OAUTH Token Validation V2 (Version - 1.1.3)
 - OAUTH Token Validation Backend V2 (Version - 1.1.3)
- Client ID for OAUTH Token generation is made customer-configurable via SAP Backend. Customers must now maintain the CLNID constant parameter in the backend configuration table/view V_T50BK for New Zealand payroll reporting (refer to Section 5.2.1).

Version 1.1.4

Client ID parameter is now externalized and no longer hardcoded or read separately in the Groovy scripts. The script dynamically concatenates both credentials (ClientId:ClientSecret), Base64 encodes the resulting string, and sets it in the Authorization header for Basic authentication.

Customers must configure both the client Id and client secret parameters externally in the configuration properties of the relevant OAUTH iFlows (refer to Sections 5.2.1 to 5.2.4).

These are the iFlows updated:

- OAUTH Token V2 (Version - 1.1.4)
- OAUTH Token Revoke V2 (Version - 1.1.4)
- OAUTH Token Validation V2 (Version - 1.1.4)
- OAUTH Token Validation Backend V2 (Version - 1.1.4)

NOTE: Customers should only upgrade to version 1.1.4 of “New Zealand Inland Revenue Reporting for Payroll Version 2” package when the IRD registration is completed and the certificate from IRD has been received. For more details about the Inland Revenue onboarding process and questions on this new process can be posted in the [NZ Payroll WorkZone group](#)

2 TECHNICAL SOLUTION IN MORE DETAIL

In order to facilitate the electronic submission of data Inland Revenue have established a protected service referred to as the Inland Revenue “Gateway” and have defined specifications for how software providers can communicate with that Gateway in a secure manner. (Note that this Gateway is also used for non-payroll related functions as well, e.g. GST reporting.)

Each software provider that uses this Gateway has to follow the guidelines issued by Inland Revenue and have to have performed a number of predefined tests to ensure that the information can be sent correctly. Only once that is successfully completed can that software provider’s customers use the Gateway for filing.

The process as defined by Inland Revenue is as follows:

- The user interacts with their software system and it accesses the protected service provided by IR (the Gateway)
- The software system invokes an authorization API to get an authorization code and the user is directed to an IR log on page.
- The user logs on and is authenticated.
- IR issues an authorization code that is sent back to the software system.
- The software invokes IR’s token service to redeem the authorization code for an OAUTH Access Token. (The token has a finite life.)
- The software then invokes the Gateway to file information with the OAUTH Access token in the header.

This process ensures that it is secure and that only MyIR users who are authorized to submit data for an organisation can send information. Data is submitted in XML format.

2.1 SAP Cloud Integration (SCI)

In SAP's case the communication between the payroll and Inland Revenue's Gateway is managed by SAP Cloud Integration (SCI).

2.2 Process Overview

In order to perform the process of sending the files, Inland Revenue's Gateway needs to know where to send response codes to and to be able to 'trust' that system. This is done by registering a 'return_url' in the IR Developer Portal. This can only be done once SCI has been set up for NZ Pay Day Reporting and you will find details about the registration process **that must be completed directly with Inland Revenue** in the **New Zealand IRD Registering** document (refer to the details later in this document).

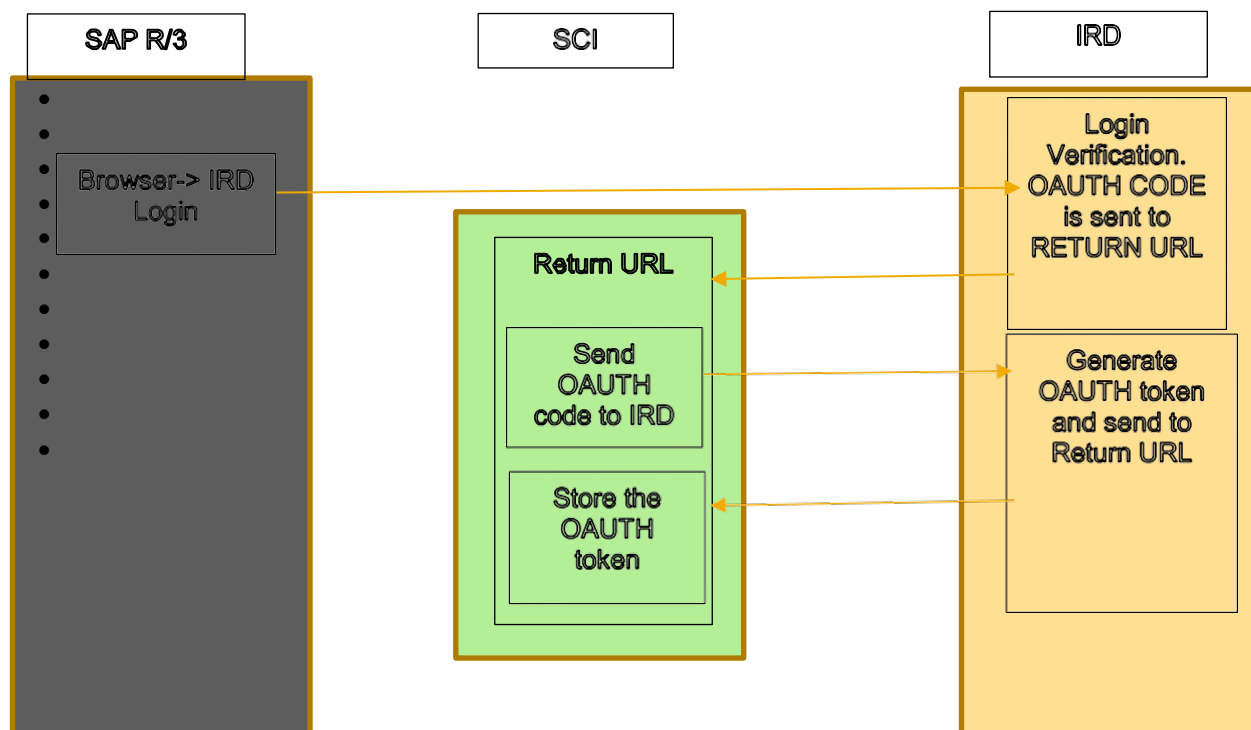
Once Inland Revenue has this information loaded in their system you can commence Pay Day filing through the Gateway. The filing processing is essentially split into two steps:

- Obtaining the OAUTH token
- Submitting Data

2.2.1 Obtaining the OAUTH Token

The process to obtain a token is as follows:

- 2.2.1.1 The user clicks a button in the B2A Manager transaction within the payroll system. This will route the user to a MyIR log on screen at Inland Revenue.
- 2.2.1.2 The user is authenticated by Inland Revenue (there is an option to enable dual verification).
- 2.2.1.3 The Gateway then returns an OAUTH code to the return_url held in their system, (i.e. your SCI system).
- 2.2.1.4 SCI then uses this OAUTH code to send a request to the Gateway for an OAUTH Token.
- 2.2.1.5 The token is sent back to SCI and held there.



2.2.2 Submitting Data

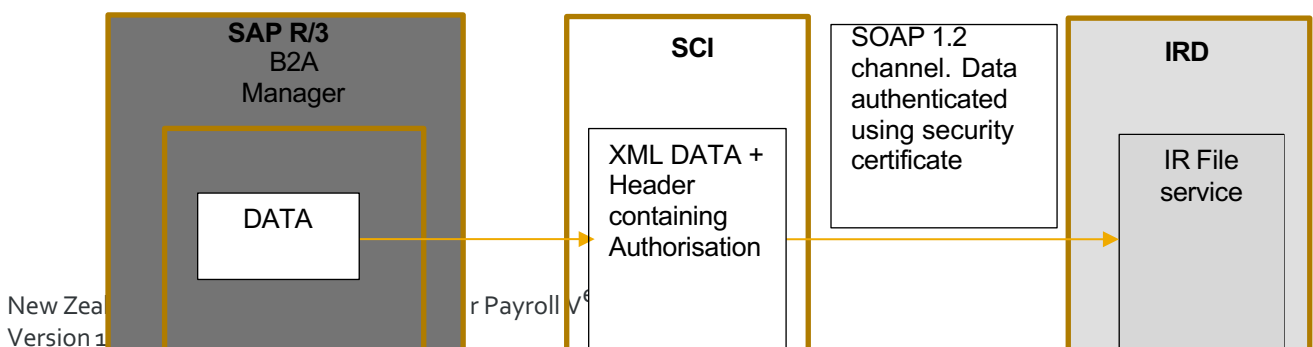
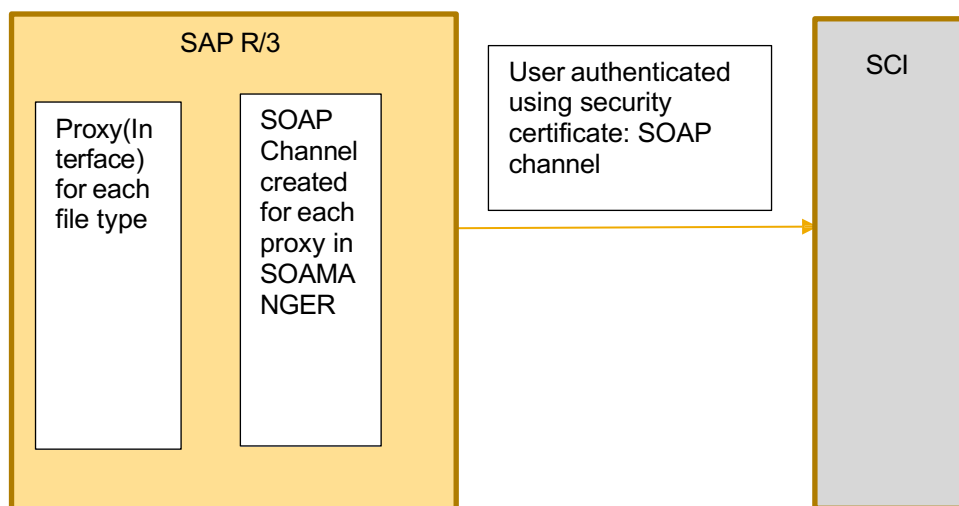
A valid OAUTH token must be obtained before files can be sent to Inland Revenue as that token is contained in the header information. The above process, therefore, acts as a prerequisite to this process. To submit data:

- 2.2.1.6 A user runs HCM reports to extract relevant data and create the necessary files. These files are per legal entity and are managed in the payroll system in the B2A Manager. (Within B2A Manager the user is able to view the data contained in the files in XML format.)
- 2.2.1.7 Within B2A Manager the user selects the file(s) to be sent and selects execute.
- 2.2.1.8 B2A Manager sends the files to SCI where the XML pay load is formed according to the Inland Revenue requirements (including inserting the token into the header).
- 2.2.1.9 SCI sends the data to Inland Revenue.
- 2.2.1.10 Inland Revenue sends a response code to SCI. This shows whether the file was successfully or what type of error has occurred.
- 2.2.1.11 SCI modifies that response into an understandable format for the payroll system and the user is able to view the result in B2A Manager.

When the data is sent from the payroll system to SAP Cloud Integration, it is done through the SOAP channel created in SOAMANAGER. Each SOAP channel refers to the corresponding proxy (interfaces) created in SPROXY. The proxies also have the response structures included and wait for the response to come from SCI after the data is sent.

The communication channel from SCI to Inland Revenue's Gateway (and the return response) is SOAP 1.2 which is configured as the receiver channel in the IFLOWS contained within SAP Cloud Integration. The authentication at Inland Revenue is done using the Inland Revenue (IR) certificate (MUTUAL TLS method). The private key for this is stored in the key store within SAP Cloud Integration and the public key is given to Inland Revenue as part of the registration process. This public key is then used in the SOAP channel.

Diagrammatically this process is as follows:





3 SOLUTION INSTRUCTION

Inland Revenue introduced a version 2 of both Pay Day files with a mandatory date of 01 April 2021. Version 2 can be used earlier but, at the latest, it must be used for pay dates on or after 01 April 2021. The date is controlled in SAP ERP via sub-application PDVR (Pay Day Filing Version 2) in V_T596C. Files created prior to this date will be directed to version 1 iflows. After this date the version 2 iflows will be used.

For customers who are already live with payday filing on 01 April 2021 and are transitioning to version 2 a summary of the required changes is as follows:

- all existing 8 artifacts from version 1 are replaced with new artifacts and will need to be downloaded from the package configured in a similar manner to version 1.
- All new iflows will need unique URL's so generally V2 has been added in the new urls. The exception is the OAUTH TOKEN V2 iflow for which, the URL should remain as previous because this forms the return_url that is already registered with IRD. This means that this iflow cannot be deployed until the version 1 equivalent iflow is deactivated.
- V_T50BK will need to be updated for 2 parameters "RTOKE" and "VTOKE" based on the new url's assigned
- SOAMANAGER will need to be updated with new proxies.

Note that the new iflows cannot be used productively until the prerequisite notes are in the production SAP ERP system and hence, they should not be deployed until these are present. Once the notes are in production the iflows can be deployed and this can be earlier than 1 April 2021 as the system will decide which set is relevant based on the PDVR date. After 01 April 2021 the version 1 iflows can be deactivated. The effective date of the T50BK changes should be the date that you intend to start filing your various 2 files, i.e. it will be the same as the PDVR date. However, note that T50BK functionality is based on system date. This could make a difference if your SCI system is held in a different time zone. E.g. if you are filing from NZ on the morning of 1st April and your SCI system is based in Europe then the system may think it is still 31st March. In this case the first filing should be done after the system thinks it is 1st April or change the effective date of T50BK to 31 March.

4 PREREQUISITES

Before you start with the activities described in this document, ensure that the following prerequisites are met in SAP Payroll system and SCI.

4.1 SAP Notes

Check that the following notes have been applied in the SAP payroll system:

- Notes relevant for Pay Day Filing with Version 1:
 - SAP Note 2672190 – this note is the original note for pay day filing and delivers new proxies for pay date reporting. The proxies are used to send the data from SAP payroll system to

- SCI. Section 4 document discusses the steps for configuring the logical ports in the SOA manager for which this note must be installed in the system.
- SAP Note 2727831 – this note makes enhancements to the MyIR logon routine and is a prerequisite for version 1.0.2 of the SCI package. Without this Note the user will get an error in the B2A Manager transaction that the token has expired (even though a valid token is held).
- SAP Notes 2745334 and 2748113 – these notes are not a prerequisite for package version 1.0.02 but if the functionality described in these notes is required then package version 1.0.02 is required.
- Notes relevant for Pay Day Filing with Version 2:
 - SAP Note 2939166 - This note is the original note for 2nd phase of Pay Date Filling and delivers new proxies for Employee Details service reporting. The proxies are used to send the data from SAP payroll system to SCI. Section 4 document discusses the steps for configuring the logical ports in the SOA manager for which this note must be installed in the system.
 - SAP Note 3000464 - This note is the original note for 2nd phase of Pay Date Filling and delivers new proxies for Employment Information service reporting. The proxies are used to send the data from SAP payroll system to SCI. Section 4 document discusses the steps for configuring the logical ports in the SOA manager for which this note must be installed in the system.
 - SAP Note 3016365 – This Note is the correction note for 2nd phase of Pay Date Filling and also contains the correction to token changes. These token changes will enable the User dependent token in SCI system. Which means, each user can have one token at a time in an instance. This also means, there can be more than one tokens in an SCI instance at a time depending on User if required.
- Notes relevant for Pay Day Filing with Version 2, package version 1.1:
 - SAP Note 3230681 – This Note contains the ERP change required to adapt with new Identity Access Management (IAM) solution of Inland revenue department (IRD). IRD implemented new START IAM solution for the token generation and authorization process in October 2022. SAP iFlows updated to match this new process; along with this - IRD API endpoints need to be updated in SAP system as guided in this Note.
- Notes relevant for Pay Day Filing with Version 2, package version 1.1.3:
 - SAP Note 3774898 – This Note contains the backend changes required to make the Client ID for OAuth Token generation customer-configurable. Instead of using hardcoded values, customers must now maintain their specific Client ID using the CLNID constant parameter in the backend configuration table/view V_T50BK for New Zealand payroll reporting

4.2 Set up Tenant

If this is your first use of SAP Cloud Integration (SCI) refer to the Welcome Kit that you should receive when your tenant is first provisioned. This Kit contains a link to the SCI Customer Success Portal (<https://help.sap.com/docs/cloud-integration>) where you can access a wide range of SCI related resources.

You will also receive a “SAP Cloud Integration Onboarding Guide” to guide you through the initial setup to get your tenant up and running.

For the subsequent configuration of SAP ERP, note down the URL of the tenant (it is the TMN URL which you received when the tenant was provisioned).

4.3 User Authorisations

Administrator Access

Ensure that admin users in the tenant have enough rights and privileges to copy the NZ integration package and to configure and deploy the integration flow.

To deploy the security content, the required role is '**AuthGroup.Administrator**'.

End User Access

End users are the ones who are essentially sending the files from the payroll system. The end users are to be added in SCI tenant as members and assigned the role "**ESBMessaging.send**". Only with this role the users will be able to send the files to Inland Revenue. The end users can either use their SCI User credentials or can use a single sign on certificate to send a message through SCI.

Note: End user id (who send the files from payroll system) should not contain any special character, only alphanumeric values are accepted.

Authorization Management

Users Groups Token

 Assign Web Roles and Groups to Individual Users

User: * [Show Assignments](#)

Roles [Assign](#) [Unassign All](#)

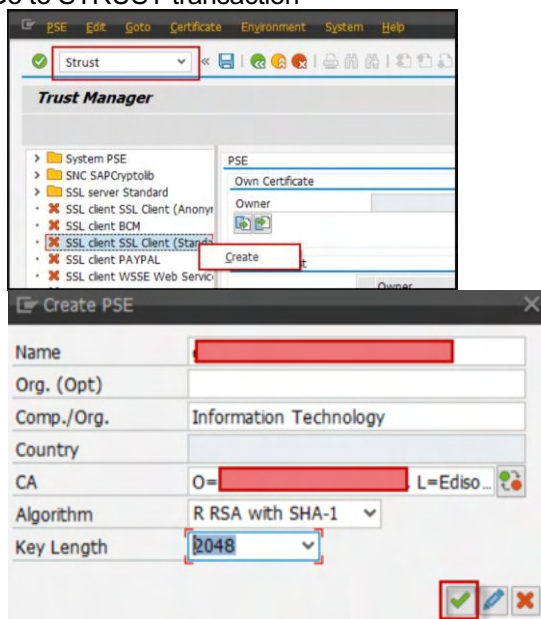
Subaccount	Application	Role	Actions
v355813fd	cd3gbp1iflmap	ESBMessaging.send	Unassign
v355813fd	cd3gbp1tmn	AuthGroup.Administrator	Unassign
w355813fd	cd3gbp1tmn	NodeManager.deploycred...	Unassign
w355813fd	cd3gbp1tmn	NodeManager.deploysecu...	Unassign
v355813fd	cd3gbp1tmn	AuthGroup.BusinessExpert	Unassign
v355813fd	cd3gbp1tmn	AuthGroup.IntegrationDev...	Unassign

4.4 Ensure CA Signed Certificate installed in STRUST of Payroll System

The recommended communication method between the SAP payroll system and SCI is certificate-based authentication. (User name and password is possible but not recommended for usability reasons as the user would need to enter their details multiple times). In order to facilitate this a **CA signed certificate is required** from the SAP Payroll system which is then installed in STRUST and the public key noted in the relevant iflows. (Note that the key pair will only be accepted by the SAP Load Balancer if it is signed by an SAP approved CA.)

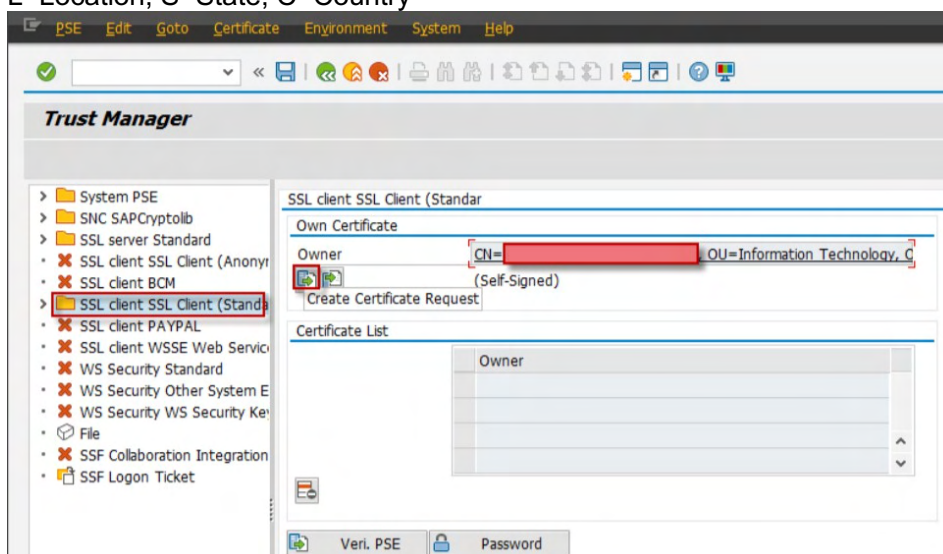
If you do not already have a CA signed certificate available, follow these steps:

- a. Go to STRUST transaction



- b. Below is the example show DN of the certificate:

DN = CN=erpc.externaldomain.com, OU=Information Technology, O=mycompany Inc, L=Location, S=State, C=Country





- c. This is the CSR. Copy the CSR and get it signed by a Certificate Authority.

Note: CA should be in the Trust list of SCI. Please check for the latest SCI trust list [here](#).

- d. Import the certificate response in STRUST.

- e. Take note of the directory where the certificate is stored as this will be referenced when the logical ports are configured (section 5).

More help on PSE/certificate can be found in the link

https://help.sap.com/saphelp_nw73ehp1/helpdata/en/59/6b653a0c52425fe10000000a114084/frameset.htm

4.5 Obtain Access to the IR Developers Portal

Access to the Inland Revenue Developers Portal is required in order to obtain an IR certificate (which will be called in the OAUTH iflows) and also to register your return_url with Inland Revenue. This process can take a considerable amount of time because the organisation has to be registered first by a 'key office holder' and they need to accept Inland Revenue terms and conditions before any users can be added. This task should therefore be initiated very early in the process. Refer to the document "**New Zealand Inland Revenue- Registering for Payroll Services**" for more information about this registration process.

5 SETUP STEPS IN SAP CLOUD INTEGRATION

As part of the initial (Version 1) release, there were eight SCI artifacts delivered. For Version 1 details, kindly refer to latest document for Version 1 attached in the SCI Integration Package '**New Zealand Inland Revenue Reporting for Payroll**'.

All customers should now be on version 2 as this version was mandatory from 1 April 2021. For Version 2 release, there are 8 new SCI artifacts delivered in a new Integration Package '**New Zealand Inland Revenue Reporting for Payroll Version 2**'.

Four artifacts are related to authentication token.

IFLOW Name	Description
OAUTH Token V2	Iflow used for obtaining OAUTH token.
OAUTH Token Validation V2	Iflow used to validate the OAUTH token.

OAUTH Token Revoke V2	Iflow used to revoke the OAUTH token at Inland Revenue server
OAUTH Token Validation Backend V2	Iflow is called from the B2A manager while sending the payload to Inland Revenue.

Four artifacts relate to the four types of XML files which are sent to Inland Revenue.

IFLOW Name	Description
Employee Services – Create V2	Iflow sends the details of employees who are hired in a pay period.
Employee Services – Update V2	Iflow sends the details of employees who have had an update to master data in a pay period that should be reported
Employee Services – Terminate V2	Iflow sends the details employees who were terminated in a pay period.
Employment Information - Pay Date File V2	Iflow sends the payment information of employees for a pay date.

The three buttons in B2A manager namely “Get Token”, “Validate Token” and “Revoke Token” uses the below three IFLOWS respectively and these three IFLOWS uses HTTP as sender channel.

OAUTH Token V2
OAUTH Token Validation V2
OAUTH Token Revoke V2

The authorisation for HTTP calls are either made by entering the user SCI credentials manually or the user can use the single sign on certificate (Certified by SAP authorised CA), e.g. SAP Passport. In case the user wants to use the single sign on (SSO) certificate, the key pair of the certificate should be installed in the local machine/PC from where user will send the file. Once the certificate is installed, user must configure the public certificate of the SSO in SCI. This step is described in the section 6 of this document.

The other five IFLOWS are the once whose calls are routed through the payroll system server using SOAP. The Authorisation for these five IFLOWS are to be set at the logical ports created in the transaction SOAMANAGER. For SOAP endpoint the authorisation can be set to User credentials or X.509 SSL certificate installed in STRUST of the payroll system. The step is explained in section 4.4 of this document.

Employee Services – Create V2
Employee Services – Update V2
Employee Services – Terminate V2
Employment Information - Pay Date File V2
OAUTH Token Validation Backend V2

To set up these iflows follow the details in the following steps:

5.1 Copy Published Package into Your Package

Go to the ‘Discover’ chapter of your tenant and find the package ‘**New Zealand Inland Revenue Reporting for Payroll Version 2**’

Discover Integrations

Integrations (797)		Search	Q	Y	↑↓
Name	Details				

New Zealand Inland Revenue Reporting for Payroll

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.

Vendor: SAP
Version: 1.0.2

Mode: Configure-only
Published: 25 Mar 2019

Overview

Artifacts (8)

Documents (3)

Tags

Description:

This integration package provides the SAP Cloud Integration content which is a part of the Pay Date reporting solution for New Zealand. It enables the communication of payroll and employee data to the New Zealand Inland Revenue.

To track changes from the package currently installed in your system, please check version information in the 'Change Log' document in the Documents section.

Package ID: NZIRDPayDate

Supported Platform: Cloud Integration

Category: Integration

Created: 25 Mar 2019

Click on package name, then click 'Copy' in the upper right corner:

Note: the package version on the screenshot may differ from the one shown above.

5.2 Configure Integration Flow for OAUTH token services

There are four artifacts which are delivered to process the OAUTH token and three out of them have HTTP as sender channel and one have SOAP as sender channel. The certificate-based authorization for sender channel will differ for HTTP and SOAP.

Important Information for those converting from version 1 to version 2:

Please consider below point carefully, before Configure/Deploy these changes in your production environment if you already have version 1 iflows in place.

- Availability of SCI objects are independent of SAP ERP/ECP objects. So, you can download the published package and start configuration for iflows. But must not Deploy until the required SAP Note (3016365) is applied in respective backend (SAP ERP/ECP) system.
- You can configure new version (V2) iflows without Undeploying old version (V1) iflows.
- You must Undeploy "OAUTH Token" iflow before Deploying "OAUTH Token V2" iflow considering the URL for both are same, as they are registered with IRD for RETURN_URL. Once the "OAUTH Token V2" iflow is Active, the old version (V1) iflows will not be functionable even if they are active.
- While delimiting T50BK table entry with generated URL in section-5.2.2 and 5.2.3 of this document, please use the correct date from which you intend to start using these iflows.
- You can Undeploy all old version of iflows after 01.04.2021.

Important Information for those updating the V2 package to version 1.1.0.

Version 1.1.0 is released to coincide with OAUTH changes being made by Inland Revenue that impact the OAUTH token related iflows. The iflows need to be updated to the latest version and configured as per the details below. In particular note that the Inland Revenue URLs are changed.

- The new iflows and URL's can be used any time after 10 October 2022 but **MUST** be in productive use by Oct 2023 at the absolute latest. You can choose the date that best fits your organisation but SAP recommends around 1 April 2023 for the start of the new tax year.
- The iflows must be deployed in line with the date configured in V_T50BK for parameter OAUTH as per SAP Note 3230681.

- All four OAUTH related iflows those are impacted should be undeployed, updated and then configured as per details below (and re-deployed when configuration complete).

Important Information for those updating the V2 package to version 1.1.3.

Version 1.1.3 contains the necessary changes to switch from using the SAP supplied SCI Integration certificate to a certificate issued by Inland Revenue. It also caters for the requirement of all customers to have a unique 'client' secret. Both of these artifacts are obtained from the Inland Revenue Developers Portal

- Do NOT upgrade to the new iflows until you have the necessary access in the Inland Revenue Developers Portal to obtain an IR certificate.
- Ensure that SAP Note 3774898 is applied before running the iflows in production as this Note delivers a constant to store your organisations 'client-id'.
- The iflows MUST be updated before 30 September 2026 as Inland Revenue will not accept external certificates after this point in time. You can go live at a date of your choosing as long as it is before 30 September.

5.2.1 OAUTH Token V2

This integration flow is used to get the OAUTH token.

Steps:

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

Design

Create Import

The screenshot shows the 'Integration Packages (2)' interface in SAP. A search filter 'new zealand' is applied. The table lists several integration flows, including 'New Zealand Inland Revenue Reporting for Payroll Version 2'. Below this, a list of specific integration flows is shown, including 'OAUTH Token V2'. A context menu is open for the 'OAUTH Token V2' flow, showing options like 'Copy', 'Git Pull', 'Git Push', 'View metadata', 'Download', 'Configure' (highlighted with a red box), and 'Deploy'.

Name	Mode	Version	Created By	Created Date	Description	Action
New Zealand Inland Revenue Reporting for Payroll Version 2	Editable	1.1.3	anand.s@sap.com	Mon, 11 Mar 2024 07:29:35 GMT	This package provides the integration flows for New Zealand Pay Date Reporting Version 2.	[Icon]
Employment Information - Pay Date File V2						
Payment information of all the employees paid by an organization within a pay period will be reported to IRD Modified					Integration Flow	1.0.5
OAUTH Token Revoke V2					Integration Flow	1.1.3
This is used to revoke the OAUTH token in the Inland Revenue server. Modified					Integration Flow	1.1.3
OAUTH Token V2					Integration Flow	1.1.3
This is used for getting the OAUTH 2.0 token from Inland Revenue server Modified					Integration Flow	1.1.3
OAUTH Token Validation Backend V2					Integration Flow	1.1.3
This is used to validate the token in the backend while sending files from B2A manager. Modified					Integration Flow	1.1.3
OAUTH Token Validation V2					Integration Flow	1.1.3
This is used to validate the token obtained from Inland Revenue server for its expiry Modified					Integration Flow	1.1.3

Note: the version of the integration on the screenshot may differ from the current one.

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

Sender Tab

The sender for this scenario is the Inland Revenue server. The Inland Revenue 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 “/XXXX”, where XXXX will be any meaningful name for return URL.

Configure "OAUTH Token V2"

Runtime Profile: Cloud Integration

Sender Receiver More

Sender: Sender

Adapter Type: HTTPS

Connection

Address: /return

Authorization: User Role

User Role: ESBMessaging.send Select

Note: The address configured here will be the suffix used to form the RETURN_URL for OAUTH 2.0 token which is referred to later in this document. This URL is registered with IRD token server. But the connection address must be unique. So, you must keep the URL same as earlier (version 1 iflow). As you have already Version 1 OAUTH Token available with same URL (***/return), Kindly Undeploy the OAUTH Token (Version 1) iflow before deploying OAUTH Token V2 (Version 2) iflow.

- For the HTTP sender channel set the 'Authorisation' field to 'User Role' and the 'User Role' to 'ESBMessaging.send' regardless of whether the end user will be identified by a username and password or via a certificate. (refer to section 6 for configuring authorisations).

Receiver Tab

Configure "OAUTH Token V2"

Runtime Profile: Cloud Integration

Sender **Receiver** More

Receiver: Receiver

Adapter Type: HTTP

Connection

Address: https://services.ird.govt.nz/gateway3/oauth/token

Address: Enter the following OAUTH production server URL.
<https://services.ird.govt.nz/gateway3/oauth/token>

More Tab

Configure "OAUTH Token V2"

Runtime Profile: Cloud Integration

Sender Receiver **More**

Type: All Parameters

ClientId: [Redacted]

ClientSecret: [Redacted]

Return_Url: https://c0310-iflmap.hcisb.int.sap.eu2.hana.ondemand.com/http/return

Return_URI: Enter the return URI which will be registered with Inland Revenue. Refer to the **New Zealand IRD Registering** document

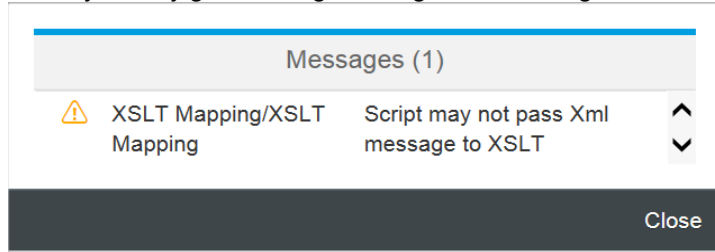
ClientId: Enter the client Id that is unique to your organisation and has been issued by Inland Revenue. You can find the client Id in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential**

Management Guide.

ClientSecret: Enter the client secret that is unique to your organisation and has been issued by Inland Revenue. You can find the client secret in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

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

Note: you may get warning message while saving this and other artifacts but this ok.

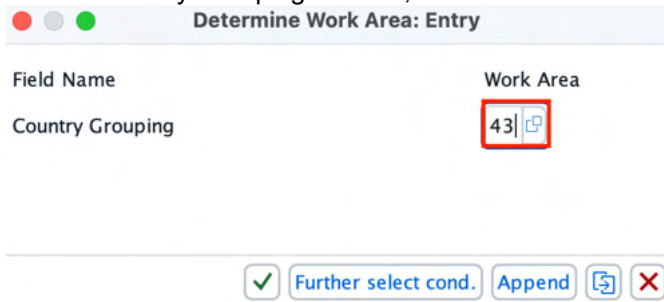


- 6) Configure view V_T50BK.

- a. Logon to backend SAP ERP/EC system.
- b. Open T-Code SM30. Edit View V_T50BK



- c. Select "Country Grouping" as "43", Click on "Ok".



- d. In the entry with Constant "CLNID", replace the hardcoded value of Cval field "SAP_Payroll" with the Client ID from 'Credentials' tab of IRD Developers Portal (refer to the guide shared by IRD for details about the portal)

Change View "HR-B2A: Constants": Overview

Expand <-> Collapse New Entries Delimit

HR-B2A: Constants							
Area	Doc...	Const...	Info	Text	From	To	CVa
NZ	EMPD	0AUTH		OAuth Authorisation code URL	01.08.2022	31.12.9999	https://test5.se
NZ	EMPD	PROA1		Log Parameter 1	01.01.1900	31.12.9999	VARTX
NZ	EMPD	PROA2		Log Parameter 2	01.01.1900	31.12.9999	SENTX
NZ	EMPD	PROA3		Log Parameter 3	01.01.1900	31.12.9999	ADRTX
NZ	EMPD	RETUR		New Zeland IRD Return URL	24.01.2021	31.12.9999	https://payroll-
NZ	EMPD	RTOKE		New Zeland IRD Revoke URL	31.01.2021	31.12.9999	https://payroll-
NZ	EMPD	VTOK		New Zeland IRD Validate URL	28.01.2021	31.12.9999	https://payroll-
NZ	PAYD	CLNID		Client ID for Token Request	01.01.1900	31.12.9999	SAP_Payroll
NZ	PAYD	PROA1		Log Parameter 1	01.01.1900	31.12.9999	VARTX
NZ	PAYD	PROA2		Log Parameter 2	01.01.1900	31.12.9999	SENTX
NZ	PAYD	PROA3		Log Parameter 3	01.01.1900	31.12.9999	ADRTX
NZ	PAYD	SPLAT		Software Platform	01.01.1900	31.12.9999	SAP_Payroll

e. Save your changes.

5.2.2 OAUTH Token Validation V2

This integration flow is used to validate the OAUTH token issued by the Inland Revenue server. A user can use this service to determine if the token is still active or whether they need to obtain a new one.

Steps:

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

Design Create Import

Integration Packages (2) new zealand X Q ↓↑

Name	Mode	Version	Created By	Created Date	Description	Action
New Zealand Inland Revenue Reporting for Payroll Version 2	Editable	1.1.3	anand.s@sap.com	Mon, 11 Mar 2024 07:29:35 GMT	This package provides the integration flows for New Zealand Pay Date Reporting Version 2.	>

☐	OAuth Token Revoke V2 This is used to revoke the OAuth token in the Inland Revenue server. Modified	Integration Flow	1.1.3	
☐	OAuth Token V2 This is used for getting the OAuth 2.0 token from Inland Revenue server Modified	Integration Flow	1.1.3	
☐	OAuth Token Validation Backend V2 This is used to validate the token in the backend while sending files from B2A manager. Modified	Integration Flow	1.1.3	
☐	OAuth Token Validation V2 This is used to validate the token obtained from Inland Revenue server for its expiry Modified	Integration Flow	1.1.3	

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

Sender Tab

The sender for this scenario is the HTTP request invoked by the end user from the B2A Manager transaction in SAP ERP/ECP (T-Code - PB2A) using "Validate Token" button. The request is then sent to the Inland Revenue server and a response is shown to the end user in HTML format.

- a. Update the connection address in the format "/XXXXX", where XXXXX can be any meaningful word for validating the token.

Configure "OAUTH Token Validation V2"

Runtime Profile: Cloud Integration

Sender Receiver More

Connection

Sender: Sender

Adapter Type: HTTPS

Address: /validate/v2

Authorization: User Role

User Role: ESBMessaging.send [Select](#)

Note: The connection address must be unique within a tenant.

- b. For the HTTP sender channel set the 'Authorisation' field to 'User Role' and the 'User Role' to ESBMessaging.send' regardless of whether the end user will be identified by a user name and password or via a certificate. (refer to section 6 for configuring authorisations).

Receiver Tab

Configure "OAUTH Token Validation V2"

Runtime Profile: Cloud Integration

Sender **Receiver** More

Connection

Receiver: Receiver

Adapter Type: HTTP

Address: <https://services.ird.govt.nz/gateway3/oauth/introspect>

Address: Enter the following OAUTH production server URL.

<https://services.ird.govt.nz/gateway3/oauth/introspect>

More Tab

Configure "OAUTH Token Validation V2"

Runtime Profile: Cloud Integration

Sender	Receiver	More
Type: All Parameters		
ClientId: 		
ClientSecret: 		

ClientId: Enter the client Id that is unique to your organisation and has been issued by Inland Revenue. You can find the client Id in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

ClientSecret: Enter the client secret that is unique to your organisation and has been issued by Inland Revenue. You can find the client secret in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

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

6) Configure view V_T50BK.

a. Copy the generated URL of Deployed iflow.

Overview / Manage Integration Content

Integration Content (38)

OAUTH

Name	Status
OAUTH Token V2.1 Test	Started
Integration Flow	
OAUTH Token Validation V2.1	Started
Integration Flow	
OAUTH Token Validation Backend V2.1 Test	Started
Integration Flow	
OAUTH Token Revoke V2.1 Test	Started
Integration Flow	
OAuth2_Token	Started
Integration Flow	

OAUTH Token Validation V2.1 Test

Restart Undeploy Download

Deployed On: Jun 24, 2026, 11:08:37 ID: OAUTH_Token_Validation_V2.1_Test

Deployed By: yohasini.u.ba@sap.com Version: 1.0.2

Package: New Zealand Inland Revenue Reporting for Payroll Version 2 Test

Endpoints Status Details Artifact Details Log Configuration

Endpoints

<https://payroll-b2g-integration-rjwejfze.it-accd003-rt.cfapps.eu12.hana.ondemand.com/http/validate/v2>

b. Logon to backend SAP ERP/EC system.

c. Open T-Code SM30. Edit View V_T50BK.

Edit Table Views: Initial Screen

Find Maintenance Dialog

Table/View V_T50BK

Restrict Data Range

☒ No Restrictions

☐ Enter conditions

☐ Variant

Display Edit Transport

- d. Select "Country Grouping" as "43", Click on "Ok".

Determine Work Area: Entry

Field Name	Work Area
Country Grouping	43

Further select cond. Append

- e. Select the entry with Constant "VTOKE" and click on "Delimit"

Change View "HR-B2A: Constants": Overview

Expand <-> Collapse New Entries Delimit

Area	Doc.Cl...	Constant	Info	Text	From	To	CVal.
NZ	EMPD	OAUTH		OAUTH Authorisation code URL	01.04.2018	31.12.9999	https://te
NZ	EMPD	PROA1		Log Parameter 1	01.01.1900	31.12.9999	VARTX
NZ	EMPD	PROA2		Log Parameter 2	01.01.1900	31.12.9999	SENTX
NZ	EMPD	PROA3		Log Parameter 3	01.01.1900	31.12.9999	ADRTX
NZ	EMPD	RETUR		New Zeland IRD Return URL	24.01.2021	31.12.9999	https://c0
NZ	EMPD	RTOKE		New Zeland IRD Revoke URL	31.01.2021	31.12.9999	https://c0
NZ	EMPD	VTOKE		New Zeland IRD Validate URL	28.01.2021	31.12.9999	https://c0
NZ	PAYD	PROA1		Log Parameter 1	01.01.1900	31.12.9999	VARTX

- f. Provide a date from when you want to start using this iflow for that system and Click on "Ok"

Validity limit: Entry

Start Date 01.04.2021

- 7) Paste the copied URL in CVal field.

New Entries: Overview of Added Entries

New Entries Delimit

Area	Doc.Cl...	Constant	Info	Text	From	To	CVal.
NZ	EMPD	RTOKE		New Zeland IRD Revoke U	01.04.2021	31.12.9999	ondemand.com/http/revoke/v2

- 8) Save your changes.

5.2.3 OAUTH Token Revoke V2

This integration flow is used to revoke the OAUTH token issued by the Inland Revenue server. Once the token has been revoked communication with the Inland Revenue server ceases and a user must retrieve a new token for further communication.

Steps:

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

Design

Create Import

Integration Packages (2)						
new zealand						
Name	Mode	Version	Created By	Created Date	Description	Action
 New Zealand Inland Revenue Reporting Payroll Version 2	Editable	1.1.3	anand.s@sap.com	Mon, 11 Mar 2024 07:29:35 GMT	This package provides the integration flows for New Zealand Pay Date Reporting Version 2.	 

2) Click on the Artifacts tab

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

☐	Employee Services - Update V2 Any update to their address, phone number, tax code, Kiwi Saver details will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employment Information - Pay Date File V2 Payment information of all the employees paid by an organization within a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	OAUTH Token Revoke V2 This is used to revoke the OAUTH token in the Inland Revenue server. Modified	Integration Flow	1.1.3	...
☐	OAUTH Token V2 This is used for getting the OAUTH 2.0 token from Inland Revenue server Modified	Integration Flow	1.1.3	...
☐	OAUTH Token Validation Backend V2 This is used to validate the token in the backend while sending files from B2A manager. Modified	Integration Flow	1.1.3	...

- Copy
- Git Pull
- Git Push
- View metadata
- Download
- Configure**
- Deploy

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

Sender Tab

The sender for this scenario is the HTTP request invoked by the end user from the B2A Manager transaction in SAP ERP/ECP (T-Code - PB2A) using "Revoke Token" button. The request is then sent to the Inland Revenue server and a response is shown to the end user in HTML format.

- Update the connection address in the format "/XXXXX", where XXXXX can be any meaningful word for revoking the token in Inland Revenue server.

Configure "OAUTH Token Revoke V2"

Runtime Profile: Cloud Integration

Sender	Receiver	More
Sender: Sender Adapter Type: HTTPS Address: /revoke/v2 Authorization: User Role User Role: ESBMessaging.send Select		

Note: The connection address must be unique within a tenant.

- For the HTTP sender channel set the 'Authorisation' field to 'User Role' and the 'User Role' to ESBMessaging.send' regardless of whether the end user will be identified by a user name and password or via a certificate. (refer to section 6 for configuring authorisations).

Receiver Tab

Configure "OAUTH Token Revoke V2"

Runtime Profile: Cloud Integration

Sender Receiver More

Receiver: Receiver

Adapter Type: HTTP

Connection

Address: <https://services.ird.govt.nz/gateway3/oauth/revoke>

Address: Enter the following OAUTH production server URL.

<https://services.ird.govt.nz/gateway3/oauth/revoke>

More Tab

Configure "OAUTH Token Revoke V2"

Runtime Profile: Cloud Integration

Sender Receiver More

Type: All Parameters

ClientId: [REDACTED]

ClientSecret: [REDACTED]

ClientId: Enter the client Id that is unique to your organisation and has been issued by Inland Revenue. You can find the client Id in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

ClientSecret: Enter the client secret that is unique to your organisation and has been issued by Inland Revenue. You can find the client secret in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

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

6) Configure view V_T50BK.

a. Copy the generated URL of Deployed iflow.

Integration Content (38)

Name	Status
OAUTH Token V2.1 Test	Started
Integration Flow	
OAUTH Token Validation V2.1 Test	Started
Integration Flow	
OAUTH Token Validation Backend V2.1 Test	Started
Integration Flow	
OAUTH Token Revoke V2.1	Started
Integration Flow	
OAuth2_Token	Started
Integration Flow	

OAUTH Token Revoke V2.1 Test

Restart Undeploy Download

Deployed On: Jun 24, 2026, 11:00:03 ID: OAUTH_Token_Revoke_V2.1_Test
Deployed By: yohasini.u.ba@sap.com Version: 1.0.2

Package: New Zealand Inland Revenue Reporting for Payroll Version 2 Test

Endpoints Status Details Artifact Details Log Configuration

Endpoints

<https://payroll-b2g-integration-rjwejfze.it-accd003-rt.cfapps.eu12.hana.ondemand.com/http/revoke/v2>

b. Logon to backend SAP ERP/EC system.

c. Open T-Code SM30. Edit View V_T50BK.

SAP Table View Maintenance: Initial Screen

Find Maintenance Dialog

Table/View:

Restrict Data Range

☒ No Restrictions

☐ Enter conditions

☐ Variant

- d. Select "Country Grouping" as "43", Click on "Ok".

Determine Work Area: Entry

Field Name: Country Grouping

Work Area:

- e. Select the entry with Constant "RTOKE" and click on "Delimit".

Change View "HR-B2A: Constants": Overview

Expand <-> Collapse New Entries

Area	Doc.Cl...	Constant	Info	Text	From	To	CVal.
NZ	EMPD	OAUTH		OAUTH Authorisation code URL	01.04.2018	31.12.9999	https://te
NZ	EMPD	PROA1		Log Parameter 1	01.01.1900	31.12.9999	VARTX
NZ	EMPD	PROA2		Log Parameter 2	01.01.1900	31.12.9999	SENTX
NZ	EMPD	PROA3		Log Parameter 3	01.01.1900	31.12.9999	ADRTX
NZ	EMPD	RETUR		New Zeland IRD Return URL	24.01.2021	31.12.9999	https://c0
NZ	EMPD	RTOKE		New Zeland IRD Revoke URL	31.01.2021	31.12.9999	https://c0
NZ	EMPD	VTOKE		New Zeland IRD Validate URL	28.01.2021	31.12.9999	https://c0

- f. Provide a date from when you want to start using this iflow for that system and Click on "Ok"

Validity limit: Entry

Start Date:

- g. Paste the copied URL in CVal field.

New Entries: Overview of Added Entries

New Entries

Area	Doc.Cl...	Constant	Info	Text	From	To	CVal.
NZ	EMPD	RTOKE		New Zeland IRD Revoke U	01.04.2021	31.12.9999	ondemand.com/http/revoke/v2

- h. Save your changes.

5.2.4 OAUTH Token Validation Backend V2

This Integration flow is used to validate the token. The call to this IFLOW is made while sending the payload from the backend system so that the token is verified before sending the actual payload to Inland Revenue. This uses SOAP to communicate between payroll system and SCI.

Steps:

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

Design Create Import

Integration Packages (2) new zealand X Q ↑↓

Name	Mode	Version	Created By	Created Date	Description	Action
 New Zealand Inland Revenue Reporting for Payroll Version 2	Editable	1.1.3	anand.s@sap.com	Mon, 11 Mar 2024 07:29:35 GMT	This package provides the integration flows for New Zealand Pay Date Reporting Version 2.	 

☐ OAUTH Token Revoke V2 This is used to revoke the OAUTH token in the Inland Revenue server. Modified	Integration Flow	1.1.3	
☐ OAUTH Token V2 This is used for getting the OAUTH 2.0 token from Inland Revenue server Modified	Integration Flow	1.1.3	
☐ OAUTH Token Validation Backend V2 This is used to validate the token in the backend while sending files from B2A manager. Modified	Integration Flow	1.1.3	
☐ OAUTH Token Validation V2 This is used to validate the token obtained from Inland Revenue server for its expiry Modified	Integration Flow	1.1.3	

[Copy](#)
[Git Pull](#)
[Git Push](#)
[View metadata](#)
[Download](#)
[Configure](#)
[Deploy](#)

- 1) Choose *Configure* and maintain the following configuration parameters:

Sender Tab

The sender for this scenario is the SAP R/3 or SAP ECP system. The communication protocol for this connection used is SOAP. The connection is established in SAP R/3 or SAP ECP using SOA manager.

- Update the connection address in the format "/XXXXX", where XXXXX can be any meaningful word for validating the token from backend system.

Configure "OAUTH Token Validation Backend V2"

Runtime Profile: Cloud Integration

Sender Receiver More

Sender

Sender:

Adapter Type:

Connection

Address:

Authorization:

Subject DN

Issuer DN

Note: The connection address must be unique within a tenant.

- In the Authorization field enter 'client certificate' and enter the public key of the certificate stored in STRUST referenced in prerequisite step 3.5.

Receiver Tab

Configure "OAUTH Token Validation Backend V2"

Runtime Profile:

Sender **Receiver** **More**

Connection

Receiver:

Adapter Type:

Address:

Address: The OAUTH production server URL.
<https://services.ird.govt.nz/gateway3/oauth/introspect>

More Tab

Configure "OAUTH Token Validation Backend V2"

Runtime Profile:

Sender **Receiver** **More**

Type:

ClientId:

ClientSecret:

ClientId: Enter the client Id that is unique to your organisation and has been issued by Inland Revenue. You can find the client Id in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

ClientSecret: Enter the client secret that is unique to your organisation and has been issued by Inland Revenue. You can find the client secret in the IRD Developers Portal under the 'Credentials' tab. Refer to the IRD document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide**.

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

5.3 Configure Integration Flow for XML file communication

You will be configuring the Iflows which are specific to employee and payment files.

- **Employee Services:** Create, Update, Terminate
- **Employment Information:** Pay Date reporting

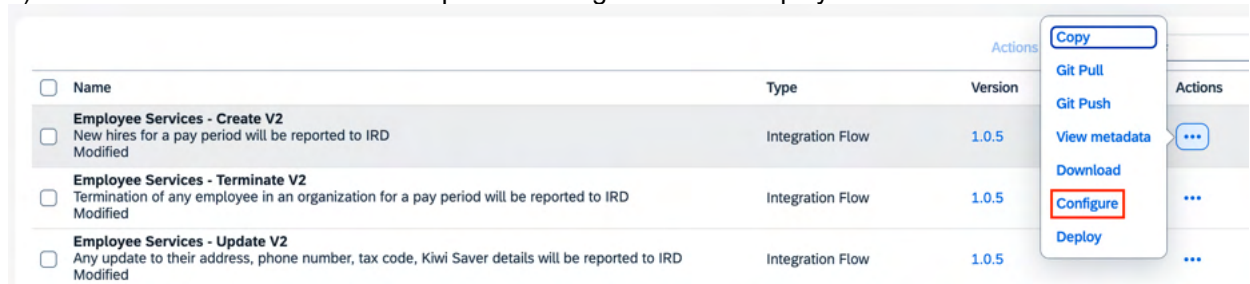
The iFlows used for the scenarios use the certificate Alias, which is the IRD certificate registered with Inland Revenue.

5.3.1 Employee Services: Create V2

This integration flow is used to update Inland Revenue with details of each new employee who was hired in a pay period.

Steps:

- 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 'Employee Services – Create V2'.



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

Sender Tab

The sender for this scenario is the SAP payroll system. The communication protocol for this connection used is SOAP. The connection is established in SAP payroll system using SOA manager.

- Update the connection address in the format “/XXXXX”, where XXXXX can be any meaningful word for Inland Revenue ES create service.

Configure "Employee Services - Create V2"

Runtime Profile: Cloud Integration

Sender Receiver

Connection

Sender:

Adapter Type:

Address:

Authorization:

Subject DN:

Issuer DN:

Note: The connection address must be unique within a tenant.

- In the Authorization field enter 'client certificate' and enter the public key of the certificate stored in STRUST referenced in prerequisite step 3.5.

Receiver Tab

Configure "Employee Services - Create V2"

Runtime Profile: Cloud Integration

Sender **Receiver**

Receiver: Receiver

Adapter Type: SOAP

Connection

Address: /gateway/gws/employment/v2/

Private Key Alias: ird_gateway_integrationcertificate

Address: Enter the following production Inland Revenue Employee Service URL address
<https://services.ird.govt.nz:4046/gateway/gws/employment/v2/>

Private Key Alias: Enter the Alias name you gave in section 2.2 of the **New Zealand IRD- Registering for Payroll Services** document

- 5) Select *Save* and *Deploy* to save your configuration and to deploy it actively to server, respectively

5.3.2 Employee Services: Update V2

This integration flow is used to update Inland Revenue when an existing employee has changes to KiwiSaver (e.g. opts out or joins) or has a change in personal details such as a tax code change or a name change.

Steps:

- 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 'Employee Services – Update V2'.

				S
☐	Employee Services - Create V2 New hires for a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employee Services - Terminate V2 Termination of any employee in an organization for a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employee Services - Update V2 Any update to their address, phone number, tax code, Kiwi Saver details will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employment Information - Pay Date File V2 Payment information of all the employees paid by an organization within a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	OAUTH Token Revoke V2 This is used to revoke the OAUTH token in the Inland Revenue server. Modified	Integration Flow	1.1.3	...

- Copy
- Git Pull
- Git Push
- View metadata
- Download
- Configure
- Deploy

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

Sender Tab

The sender for this scenario is the SAP payroll system. The communication protocol for this connection used is SOAP. The connection is established in SAP payroll system using SOA manager.

- Update the connection address in the format “/XXXXX”, where XXXXX can be any meaningful word for Inland Revenue ES Update service.

Configure "Employee Services - Update V2"

Runtime Profile: Cloud Integration

Sender **Receiver**

Connection

Sender: Sender

Adapter Type: SOAP

Address: /ird/update/v2

Authorization: Client Certificate

Subject DN: [Redacted] Issuer DN: [Redacted] [Select](#)

Note: The connection address must be unique within a tenant.

- In the Authorization field enter 'client certificate' and enter the public key of the certificate stored in STRUST referenced in prerequisite step 3.5.

Receiver Tab

Configure "Employee Services - Update V2"

Runtime Profile: Cloud Integration

Sender **Receiver**

Connection

Receiver: Receiver

Adapter Type: SOAP

Address: [Redacted]/gateway/gws/employment/v2/

Private Key Alias: ird_gateway_integrationcertificate

Address: Enter the following production Inland Revenue Employee Service URL address
<https://services.ird.govt.nz:4046/gateway/gws/employment/v2/>

Private Key Alias: Enter the Alias name you gave in section 2.2 of the **New Zealand IRD- Registering for Payroll Services** document

- 5) Select Save and Deploy to save your configuration and to deploy it actively to server, respectively.

5.3.3 Employee Services: Terminate V2

This integration flow is used to report any employees that are terminating employment.

Steps:

- 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 'Employee Services – Terminate V2'

☐ Name	Type	Version	Actions
☐ Employee Services - Create V2 New hires for a pay period will be reported to IRD Modified	Integration Flow	1.0.5	Copy Git Pull Git Push View metadata Download Configure Deploy
☐ Employee Services - Terminate V2 Termination of any employee in an organization for a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐ Employee Services - Update V2 Any update to their address, phone number, tax code, Kiwi Saver details will be reported to IRD Modified	Integration Flow	1.0.5	...
☐ Employment Information - Pay Date File V2 Payment information of all the employees paid by an organization within a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...

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

Sender Tab

The sender for this scenario is the SAP R/3 or SAP ECP system. The communication protocol for this connection used is SOAP. The connection is established in SAP R/3 or SAP ECP using SOA manager.

- Update the connection address in the format “/XXXXXX”, where XXXXX can be any meaningful word for Inland Revenue ES terminate service.

Configure "Employee Services - Terminate V2"

Runtime Profile: Cloud Integration

Sender **Receiver**

Connection

Sender:

Adapter Type:

Address:

Authorization:

Subject DN:

Issuer DN:

Note: The connection address must be unique within a tenant.

- In the Authorization field enter 'client certificate' and enter the public key of the certificate stored in STRUST referenced in prerequisite step 3.5.

Receiver Tab

Configure "Employee Services - Terminate V2"

Runtime Profile: Cloud Integration

Sender **Receiver**

Receiver:

Adapter Type:

Connection

Address:

Private Key Alias:

Address: Enter the following production Inland Revenue Employee Service URL address
<https://services.ird.govt.nz:4046/gateway/gws/employment/v2/>

Private Key Alias: Enter the Alias name you gave in section 2.2 of the **New Zealand IRD- Registering for Payroll Services** document

- 5) Select Save and Deploy to save your configuration and to deploy it actively to server, respectively.

5.3.4 Employment Information: Pay Date File V2

This integration flow is used to update the Inland Revenue with any new employee who was hired in a pay period.

Steps:

- 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 'Employment Information - Pay Date File V2'.

☐	Employee Services - Terminate V2 Termination of any employee in an organization for a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employee Services - Update V2 Any update to their address, phone number, tax code, Kiwi Saver details will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	Employment Information - Pay Date File V2 Payment information of all the employees paid by an organization within a pay period will be reported to IRD Modified	Integration Flow	1.0.5	...
☐	OAUTH Token Revoke V2 This is used to revoke the OAUTH token in the Inland Revenue server. Modified	Integration Flow	1.1.3	...
☐	OAUTH Token V2 This is used for getting the OAUTH 2.0 token from Inland Revenue server Modified	Integration Flow	1.1.3	...

- Copy
- Git Pull
- Git Push
- View metadata
- Download
- Configure**
- Deploy

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

Sender Tab

The sender for this scenario is the SAP R/3 or SAP ECP system. The communication protocol for this connection used is SOAP. The connection is established in SAP R/3 or SAP ECP using SOA manager.

- Update the connection address in the format "/XXXXX", where XXXXX can be any meaningful word for Inland Revenue EI service for Payment reporting.

Configure "Employment Information - Pay Date File V2"

Runtime Profile: Cloud Integration

Sender Receiver

Connection

Sender:

Adapter Type:

Address:

Authorization:

Subject DN:

Issuer DN:

Note: The connection address must be unique within a tenant.

- In the Authorization field enter 'client certificate' and enter the public key of the certificate stored in STRUST referenced in prerequisite step 3.5.

Receiver Tab

Configure "Employment Information - Pay Date File V2"

Runtime Profile: Cloud Integration

Sender	Receiver
	Receiver: Receiver
	Adapter Type: SOAP
Connection	
	Address: /gateway/gws/returns/
	Private Key Alias: ird_gateway_integrationcertificate

Address: Enter the following the production Inland Revenue Employment Information service URL
<https://services.ird.govt.nz:4046/gateway/gws/returns/>

Private Key Alias: Enter the Alias name you gave in section 2.2 of the **New Zealand IRD- Registering for Payroll Services** document

- 5) Select Save and Deploy to save your configuration and to deploy it actively to server, respectively.

6 SETUP STEPS IN SAP ERP OR SAP S/4HANA

The connection between SAP Payroll system and SCI needs to be established for communication purpose.

6.1 Create the logical ports in SOAMANAGER

The proxies must be connected to the SAP CLOUD INTEGRATION tenant via logical ports. In the productive SAP ERP or SAP ECP system, the logical ports are configured to connect to the productive SAP CLOUD INTEGRATION tenant.

Note: the look and feel of the screens in your system may differ from the screenshot below, depending on your release.

1. In your SAP ERP/ECP system, go to transaction **SOAMANAGER**.

Service Administration	Technical Administration	Logs and Traces	Management Connections	Services Registry	Monitoring	Tools
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						

2. Select Web Service Configuration and find the proxies created for New Zealand Pay Date reporting. (Note that these will only be available if SAP Note 2939166 and 3000464 are implemented.)

Web Service Configuration (QK8;002)

Design Time Object Search Configuration Search

Search Criteria

Object Type is All

Object Name contains *HRNZ*

Maximum Number of Results: 100

Search Clear Values Reset Search Criteria

Search Result

Internal Name	Type	Name
CO_HRNZ2_EMPLOYMENT	Consumer Proxy	Employment
CO_HRNZ2_RETURN	Consumer Proxy	Return
CO_HRNZ_EMPLOYMENT	Consumer Proxy	Employment
CO_HRNZ_IRDED	Consumer Proxy	irded
CO_HRNZ_IRDEI	Consumer Proxy	irdei
CO_HRNZ_RETURN	Consumer Proxy	Return
CO_HRNZ_TOKEN_CHECK	Consumer Proxy	token_check

3. Create logical port(s) for CO_HRNZ_IRDED and CO_HRNZ_IRDEI proxy and modify logical port CO_HRNZ_TOKEN_CHECK proxy with updated URL.

The logical ports you will be creating are:

Proxy: **CO_HRNZ_TOKEN_CHECK (modify URL)**

Logical Port Name	Description	Corresponding IFLOW	Example CXF path
LP_CO_HRNZ_TOKEN_CHECK_HCI	LP for OAUTH token validation backend	OAUTH Token Validation Backend	/cxf/validatebackend/v2

Proxy: **CO_HRNZ_IRDED**

Logical Port Name	Description	Corresponding IFLOW	Example CXF path
LP_CO_HRNZ_IRDED_CREATE_CPI	LP for Employee Service: Create File	Employee Service - Create	/cxf/ird/create/v2
LP_CO_HRNZ_IRDED_UPDATE_CPI	LP for Employee Service: Update File	Employee Service - Update	/cxf/ird/update/v2
LP_CO_HRNZ_IRDED_TERMINATE_CPI	LP for Employee Service: Terminate File	Employee Services - Terminate	/cxf/ird/terminate/v2

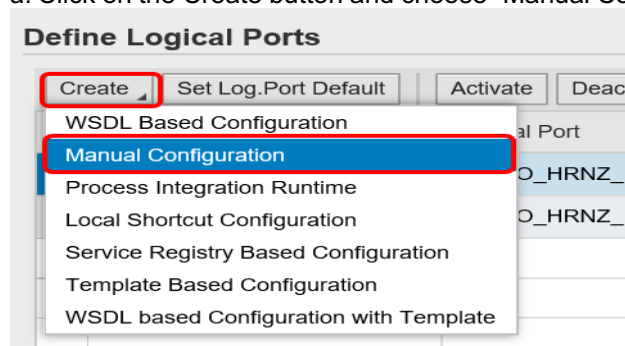
Proxy: **CO_HRNZ_IRDEI**

Logical Port Name	Description	Corresponding IFLOW	Example CXF path
LP_CO_HRNZ_IRDEI_FILE_CPI	LP for Employment Information: Return File	Employment Information - Pay Date File	/cxf/ird/file/v2

The steps are the same for all the logical ports.

This document has the example for “LP_CO_HRNZ_IRDED_CREATE_CPI” and this can be used as an example to create each separate port.

- a. Click on the Create button and choose “Manual Configuration”.



- b. Enter the Logical Port name and description

4.

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

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: LP_CO_HRNZ_IRDED_CREATE_CPI Logical Port is Default: ☐

Description: LP for Employee Service: Create File

- a. The *Consumer Security* tab page specifies the authentication method used for communication between SAP ERP/ECP and SCI.

- o In the ‘Authentication Settings’ select the X.509 SSL Client Certificate radio button.
- o In the “SSL Client PSE of transaction STRUST” field, use the drop down to find the certificate stored in STRUST as part of prerequisite step 3.5.

Note: if you do not see this radio button or cannot select it, please refer to notes **2368112 “Outgoing HTTPS connection does not work in AS ABAP”** and **510007 “Setting up SSL on Application Server ABAP”**.

33

Configuration of Consumer Settings without WSDL Document. LP=LP_CO_HRNZ_IRDED_CREATE_CPI

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:

Note: the solution will support User ID/Password authentication between SAP ERP and SCI but this is not recommended for usability reasons in a productive environment. If you decide to use this method the authorization method referred to in the previous section for the iflows (OAUTH Token V2, Validation Backend V2, Create V2, Update V2, Terminate V2 and Pay Date File V2) will need to be changed to 'User' and the user role set to 'ESBMessaging.send'.

- b. On the *HTTP Settings* tab page, make the following entries: **Note:** the screenshots may look slightly different in your system depending on the release, but all the required fields should be available.

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: HTTP
 * Host:
 Port: 80
 * Path:
 Logon Language: Language of User Context

Get the HOST URL from the SCPI WEB UI – refer to details below

CXF path deployed artifacts in SCPI – refer to details below

Proxy

Name of Proxy Host:
 Port Number of Proxy Host:
 User Name for Proxy Access:
 Password of Proxy User:

Proxy settings of your 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

Note that in older version the above screen may look different, but the fields will still be present, for example:

Save Edit Ping Web Service

Consumer Security Messaging **Transport Settings** Message Attachments Identifiable Business

Transport Binding

URL Access Path:

Computer Name of Access URL:

Port Number of Access URL:

URL Protocol Information:

Logon Language:

The computer Name of access URL is the first part of an URL without the forward slash '/'. The URL access path is part of an url which starts from forward slash '/'.
 For e.g., URL = <https://cdf-iflmap.hcisb.int.sap.hana.ondemand.com/cxf/ird/create>

Computer name: cdf-iflmap.hcisb.int.sap.hana.ondemand.com
 Access path: /cxf/ird/create

c. Get HOST URL & CXF path from SCI WEB UI

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

Integration Content (38)

Filter by Name or ID

Name	Status
GOSI - Check Connection	Started
Employment Information - Pay Date File V2 Test	Started
Employee Services - Update V2 Test	Started
Employee Services - Terminate V2 Test	Started
Employee Services - Create V2	Started

Employee Services - Create V2 Test

Deployed On: Mar 23, 2026, 00:17:14 ID: Employee_Services_-_Create_V2_Test
 Deployed By: nitin.kintali@sap.com Version: 1.0.4

Package: New Zealand Inland Revenue Reporting for Payroll Version 2 Test

Endpoints Status Details Artifact Details Log Configuration

Endpoints

<https://payroll-b2g-integration-rjwejfze.1t-accd003-rt.cfapps.eu12.hana.ondemand.com/cxf/ird/create/v2>

WSDL

WSDL without policies

The URL found under the Endpoints section has the HOST URL and the CXF path.

Host url = [xxxxxxx.sap.hana.ondemand.com](https://payroll-b2g-integration-rjwejfze.1t-accd003-rt.cfapps.eu12.hana.ondemand.com)

CXF path = /cxf/ird/create/v2

Update the information in the HTTP settings section.

Note that 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.

d. On the SOAP Protocol tab page, set Message ID Protocol to Suppress ID Transfer

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

NOTE: In case you want to test your configuration, **do not use** WebService Ping, as it is not supported by SAP Cloud Integration. But you can setup a HTTP connection in transaction **SM59**. Maintain the host and port of SAP Cloud Integration service (e.g., for path /cxf/ird/create/v2) and execute a connection test. In case of a successful connection you will receive an error with HTTP return code 500.

7 SENDER CHANNEL CONNECTION AUTHORIZATION (FOR NEO ENVIRONMENT)

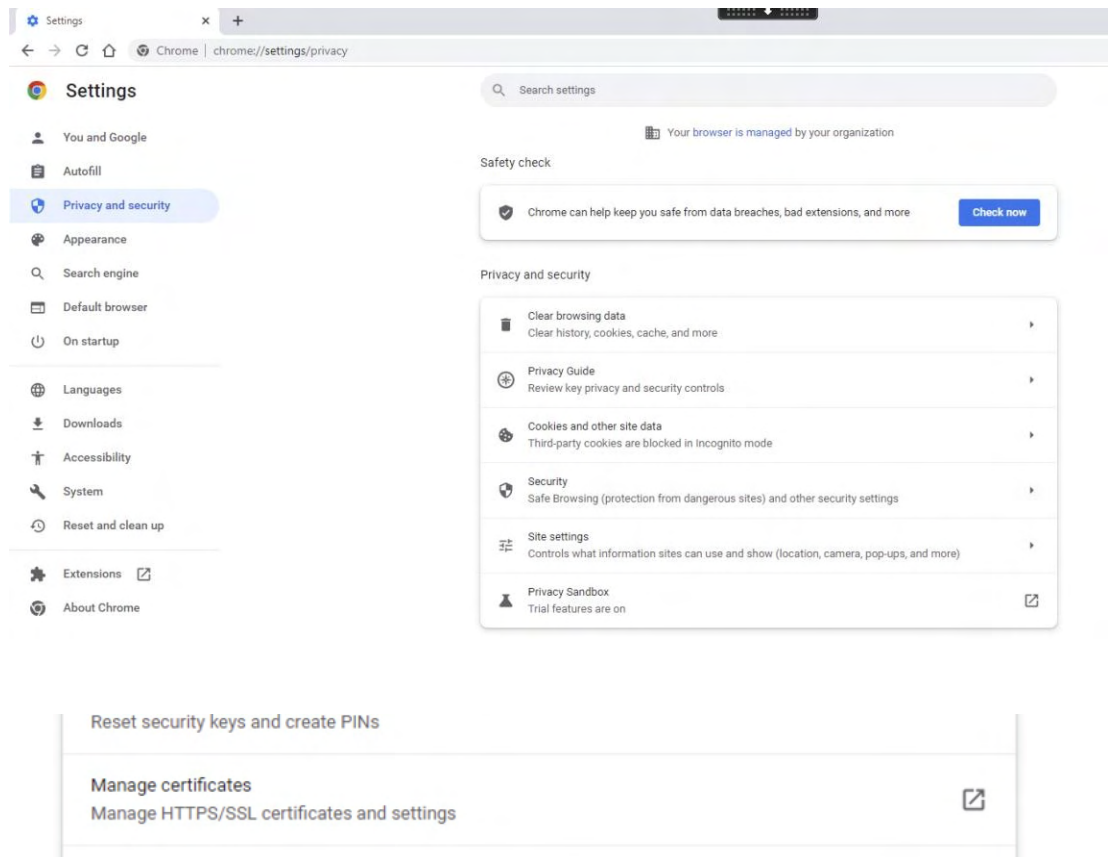
7.1 Certificate based authorization for HTTP sender channel

The iflows, **OAUTH Token V2**, **OAUTH Token Validation V2** & **OAAUTH Token Revoke V2** have HTTP as the sender channel. These iflows are invoked through a browser. If you want to configure the authorization by Certificate (rather than use name and password), then you will have to use the client certificate which is installed in the user's PC to identify the user. The SAP Passport certificate that users receive when they receive an SAP "S" number can be used for this purpose. The steps to download and assign the certificates is as follows.

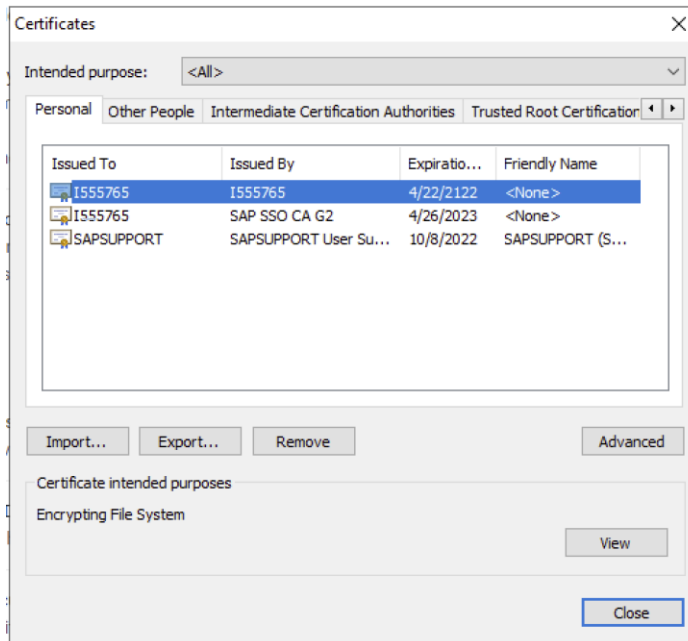
Note: if you wish these iflows to use user name/password as the authentication method no further additional steps are required.

7.1.1 Download the public certificate from the browser. Below example steps are given for Chrome in Windows OS:

- a. From top right corner menu, go to "Settings" -> then choose "Privacy and security" -> and go to "Security" -> Then select "Manage Certificates"



- b. In Personal tab, select the certificate which you wish to use for authenticating the user and then click “Export” button.



- c. Proceed with certificate export wizard.

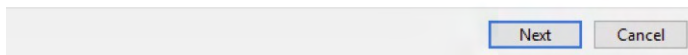
Certificate Export Wizard

Welcome to the Certificate Export Wizard

This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.

A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

To continue, click Next.



- d. Select "No, do not export the private key"

← Certificate Export Wizard

Export Private Key

You can choose to export the private key with the certificate.

Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page.

Do you want to export the private key with the certificate?

- ☐ Yes, export the private key
☒ No, do not export the private key

Next

Cancel

- e. Select “Base-64 encoded” option and

← Certificate Export Wizard

Export File Format

Certificates can be exported in a variety of file formats.

Select the format you want to use:

- ☐ DER encoded binary X.509 (.CER)
☒ Base-64 encoded X.509 (.CER)
☐ Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
☐ Include all certificates in the certification path if possible
☐ Personal Information Exchange - PKCS #12 (.PFX)
☐ Include all certificates in the certification path if possible
☐ Delete the private key if the export is successful
☐ Export all extended properties
☐ Enable certificate privacy
☐ Microsoft Serialized Certificate Store (.SST)

Next

Cancel

- f. Save the certificate with “.cer” extension and complete the wizard.

← Certificate Export Wizard

File to Export

Specify the name of the file you want to export

File name:

example.cer

Browse...

Next

Cancel

← Certificate Export Wizard

Completing the Certificate Export Wizard

You have successfully completed the Certificate Export wizard.

You have specified the following settings:

File Name	\\sgsincv101.sin.global.corp.sap\TSHo
Export Keys	No
Include all certificates in the certification path	No
File Format	Base64 Encoded X.509 (*.cer)

Finish

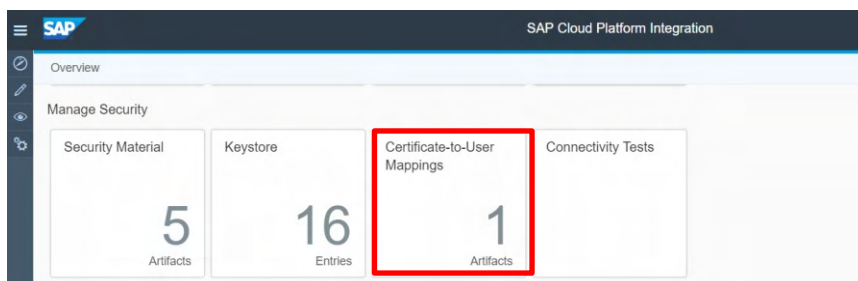
Cancel

7.1.2 Assign the public certificate for authorization

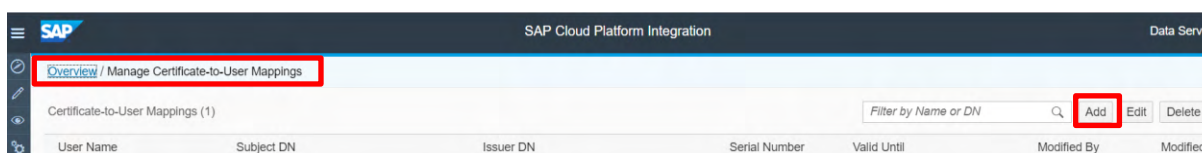
The certificate then needs to be associated to the SCI user id and it is recommended that this be done through the 'certificate-to-user mapping' settings. (Note: It is technically possible to assign the user's certificate directly to the corresponding iflows but this is not recommended as only one use can be assigned and it is recommended that at least two users have the ability to file in case one user is absent.)

Note that all users should have the authorisation role “ESBMessaging.send” assigned to them so that they are able to invoke the iflows.

- Go to SAP Cloud Integration-> Overview ->Certificate-to-User Mappings.



- Press button Add



- Enter a user name with “ESBMessaging.send role”, upload the SSL certificate

 The screenshot shows a dialog box titled 'Add Certificate-to-User Mapping'. It has two main input fields: '*User Name:' followed by a text input field, and '*Certificate:' followed by a text input field containing the placeholder 'Choose a file for upload...'. To the right of the certificate field is a 'Browse...' button. At the bottom right of the dialog, there are 'OK' and 'Cancel' buttons.

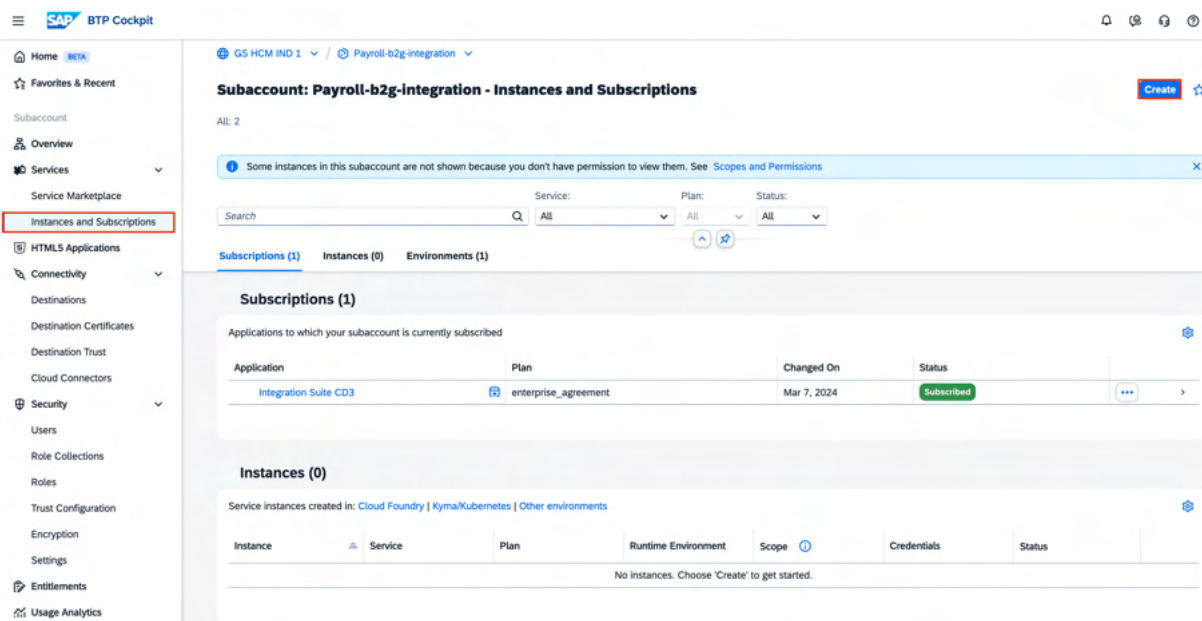
8 INBOUND CLIENT AUTHORIZATION (FOR CLOUD FOUNDRY ENVIRONMENT)

For inbound HTTP/HTTPS sender channels on Cloud Foundry, certificate-to-user mapping is handled by binding an X.509 certificate directly to a Process Integration Runtime instance.

8.1 Create a Process Integration Runtime Instance

If a Process Integration Runtime Instance already exists in your SAP BTP Cockpit, skip the below steps. Otherwise:

- 8.1.1 Navigate to your SAP BTP Cockpit → Subaccount
- 8.1.2 In the left panel, go to Services → Instances and Subscriptions
- 8.1.3 Click the create button



8.2 Create a Service Instance

If a Service Instance already exists in your SAP BTP Cockpit, skip the below steps. Otherwise:

- 8.2.1 In Basic Info step, give the following values:
 Service: Process Integration Runtime
 Plan: integration-flow
 Runtime Environment: Cloud Foundry
 Give the required values for Space and Instance Name

New Instance or Subscription

1

2

3

Basic InfoParametersReview

Enter basic info for your instance or subscription.

Service: * ⓘ [Can't find what you're looking for?](#)

Process Integration Runtime

Plan: *

integration-flow

Runtime Environment: *

Cloud Foundry

Space: *

Instance Name: * ⓘ

Choose a CLI-friendly name for your instance

Next > Create Cancel

8.2.2 In Parameters step, select JSON option

New Instance or Subscription

1

2

3

Basic InfoParametersReview

Configure instance parameters. ⓘ

Form JSON

Upload a JSON file:

Select JSON file

Or specify the parameters in JSON format: Clear

```
1 {
2   "roles": [
3     "ESBMessaging.send",
4     "API.invoke"
5   ],
6   "grant-types": [
7     "client_credentials"
8   ],
9   "redirect-uris": [],
10  "token-validity": 3600
11 }
```

< Back Next > Create Cancel

8.2.3. Click on 'Create'

New Instance or Subscription

1

Basic Info

2

Parameters

3

Review

Review and verify the instance details.

asdf

Service: Process Integration Runtime

Service Plan: integration-flow

Runtime Environment: Cloud Foundry

Space:

Creating an instance might take a while.

< Back

Create

Cancel

8.3 Create Service Key

8.3.1 Click on the newly created Instance

Subaccount: Payroll-b2g-integration - Instances and Subscriptions

Create

All: 3

Search

Service: All

Plan: All

Status: All

Subscriptions (1)

Instances (1)

Environments (1)

Subscriptions (1)

Applications to which your subaccount is currently subscribed

Application	Plan	Changed On	Status	
Integration Suite CD3	enterprise_agreement	Mar 7, 2024	Subscribed	...

Instances (1)

Service instances created in: Cloud Foundry | Kyma/Kubernetes | Other environments

Instance	Service	Plan	Runtime Environment	Scope	Credentials	Status	
	Process Integration Run...	integration-flow	Cloud Foundry			Created	...

8.3.2 Click on 'Create' under 'Service Keys' tab to create the Service Key

Instance ID: 9c05a383-00ea-4c9b-bc02-6537e2a1797f

Service: Process Integration Runtime

Service Technical Name: it-rt

Status: Created

Plan Display Name: Process Integration Flow access

Plan: integration-flow

Runtime Environment: Cloud Foundry

Scope:

Created On: Apr 5, 2024

Changed On: May 21, 2025

Changed By:

View Credentials

Bound Applications (0)

Service Keys (11)

Labels (0)

Bound Applications (0)

Create

Name	Created On	Modified On	Status
No bound applications.			

Service Keys (11)

Create

Name	Created On	Modified On	Status
	22 Jan 2026	22 Jan 2026	Created
	23 Jan 2026	23 Jan 2026	Created
	14 May 2024	14 May 2024	Created

9 REGISTER YOUR return_url IN IR’S DEVELOPER PORTAL

The Return_url must be updated in Inland Revenue’s Developers Portal. Refer to the “**Registering for Payroll Services**” document for details.

10 MAINTENANCE

Take note of the expiry date of all certificates used in the solution and put in processes so that these are renewed before they expire, and the configuration updated accordingly with the new details. Inland Revenue will issue a notification prior to the expiry of the certificate they have issued (at the time of writing they are issued for 12 months but this is expected to decrease over time in line with industry best practice). Note that the notification will only go to the user who requested the certificate. This person may have left the organisation so it is best practice to self-track the expiry date and renew it at the appropriate time. Refer to the Inland Revenue Document **Reference Guide 3 - Developer Portal Registration and Credential Management Guide** for instructions on how to renew an Inland Revenue issued certificate.

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THE BEST RUN

