finPOWER Connect – Xero API

Configuration Guide

Version 1.02

31st August 2023

CONTENTS

DISCLAIMER

finPOWER Connect includes functionality to cater for a General Ledger export to Xero.

As per your Software License Agreement, it is your responsibility to make sure finPOWER Connect is fit for your purposes and you should seek independent professional advice from sources such as Lawyers, Accountants and Government Agencies.

This is a guideline only. It is not intended to be definitive and should not be used in place of legal advice. You are responsible for staying up to date with legislative changes.

This document is correct as at time of writing, but subsequent legislative changes may affect the relevance of the contents.

REVISION HISTORY

Date	Version	By	Details
19/02/2020	1.00	CC	Created
10/03/2023	1.01	AC	Updated
31/08/2023	1.02	AC	Updated to include GST information.

OVERVIEW

This document covers the initial setup configuration of **Xero** within **finPOWER Connect**.

SUMMARY

Xero have deprecated their OAuth 1.0a authorisation mechanism and is no longer supported. Any new **Xero** Apps will automatically be setup on OAuth 2.

LICENCE REQUIREMENTS

- Accounting Interface.

CONFIGURATION – XERO

XERO - OVERVIEW

A **Xero** User with sufficient permissions to add Transactions etc., is required to link **finPOWER Connect** to **Xero**. This User will need to login to **Xero** and authorise the App to access your User Account and Organisation via **finPOWER Connect**, as detailed later within this document.

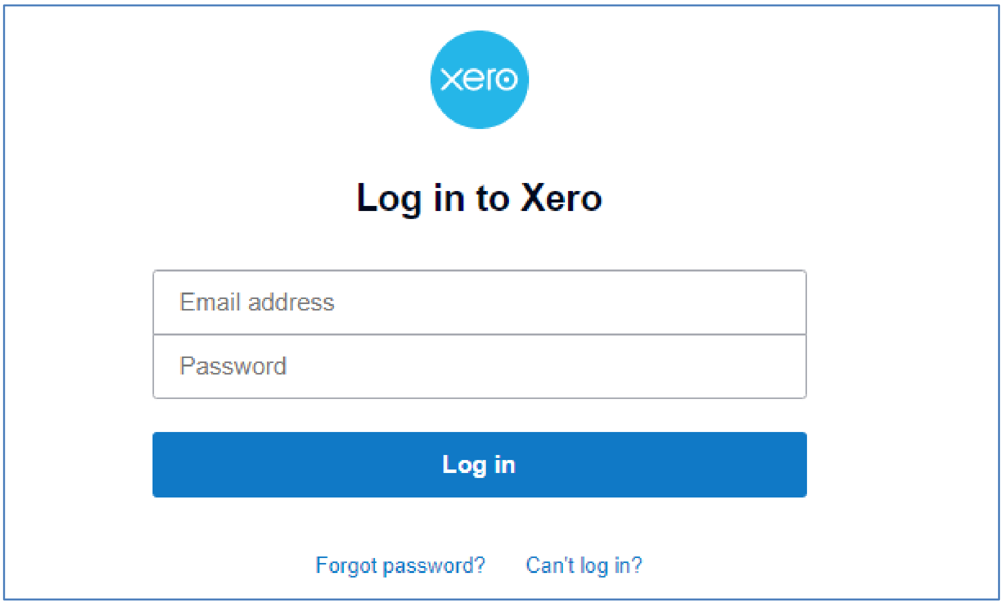
IMPORTANT:

- It is essential the process is followed precisely, especially when pertaining to the Client Secret Generation, and the App set up within **Xero**.
- **Xero** does not support a Test Mode, so you cannot be in test Mode within **finPOWER Connect**.
- The Client ID, Client Secret and Token Data details required for the configuration are all found within the **Xero** Developer section/App set up. Refer to this section for help on how to complete this.
- A 'Tenant' is a term used by **Xero** as a technical term for a **Xero** Organisation. When they are referring to the 'Tenant' they are referring to the Company/Companies that are set up within the **Xero** account. The ID for this is detected by **finPOWER Connect** during the set up as detailed later in this document.

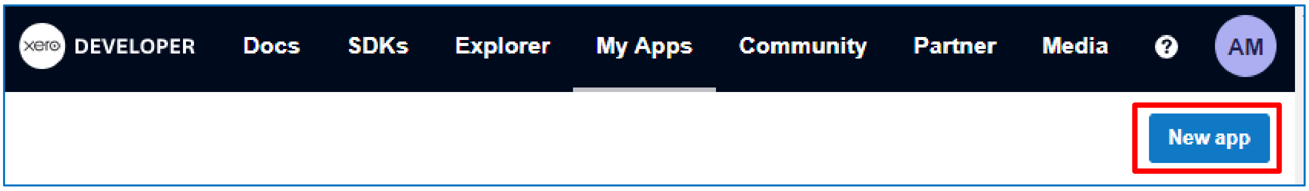
XERO – MY APPS

Step One is to add the App to generate the details required to utilise the API and integrate with **finPOWER Connect**.

1. Go to https://developer.xero.com/myapps/
2. Login with your **Xero** Credentials (Username and Password).

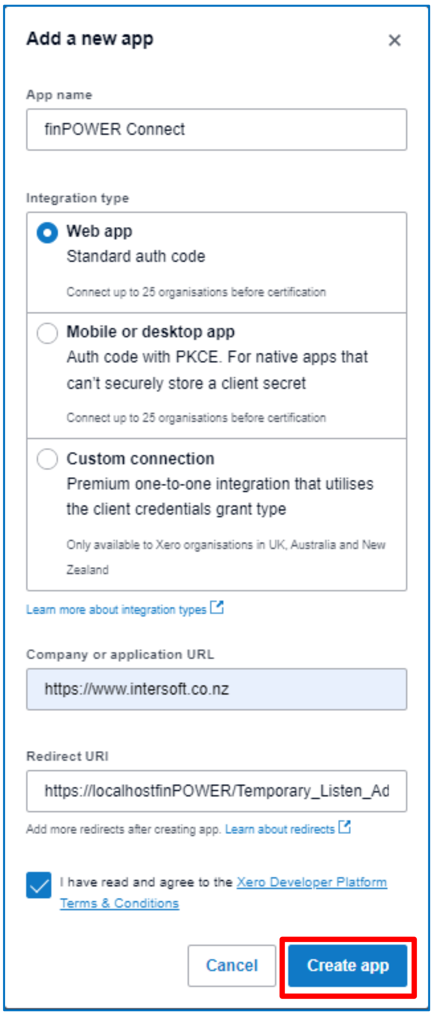


3. Select the 'New App' button in the top right corner.



4. Enter the 'App name' e.g., '**finPOWER Connect'** or similar.
5. Enter the 'URL' for your company – for example https://www.intersoft.co.nz
6. In the 'Redirect URI' enter the following: https://localhostfinPOWER/Temporary_Listen_Addresses/ this must be correct, or it will not work. For accuracy we recommend going to finPOWER Connect, menu option Tools, Global Settings, General, GL and Accounting page, using the 'Copy' button next to the 'Redirect URI' field to paste into this field.

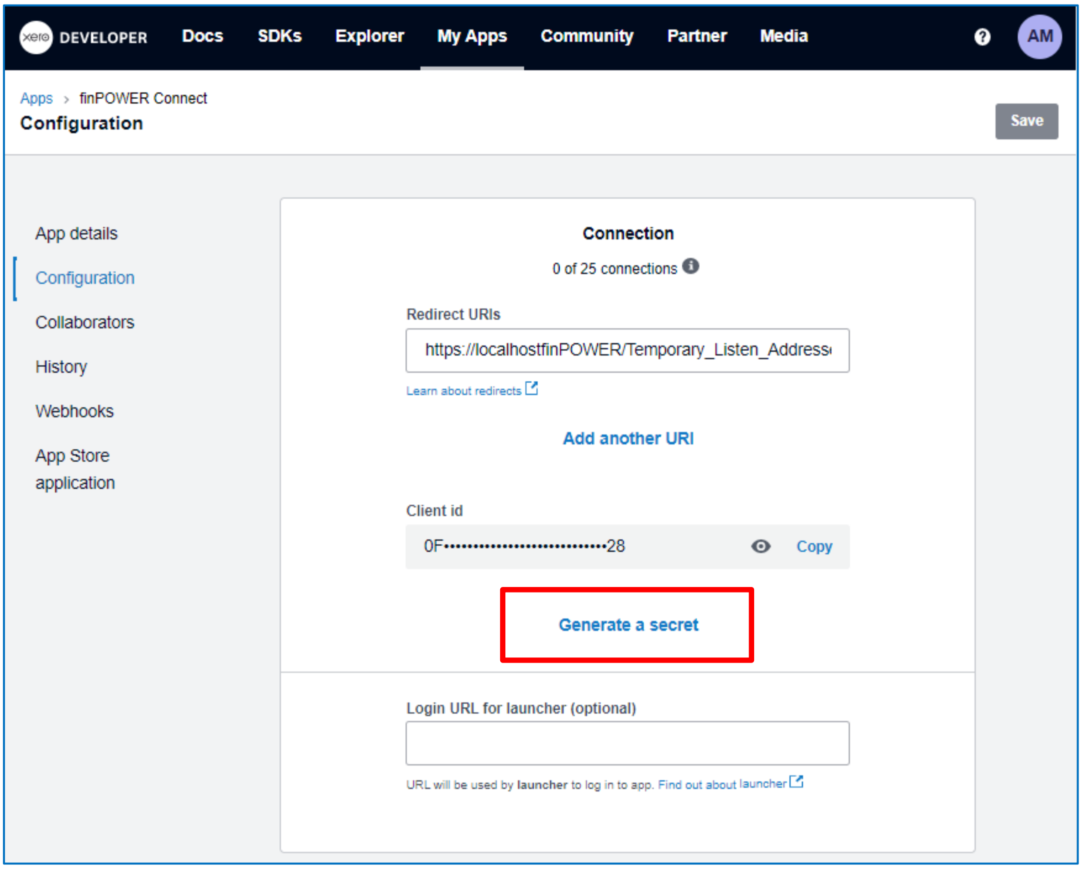
7. Tick the 'I have read and agree to the **Xero** Developer Platform Terms & Conditions' once they have been read and click **Create App**.



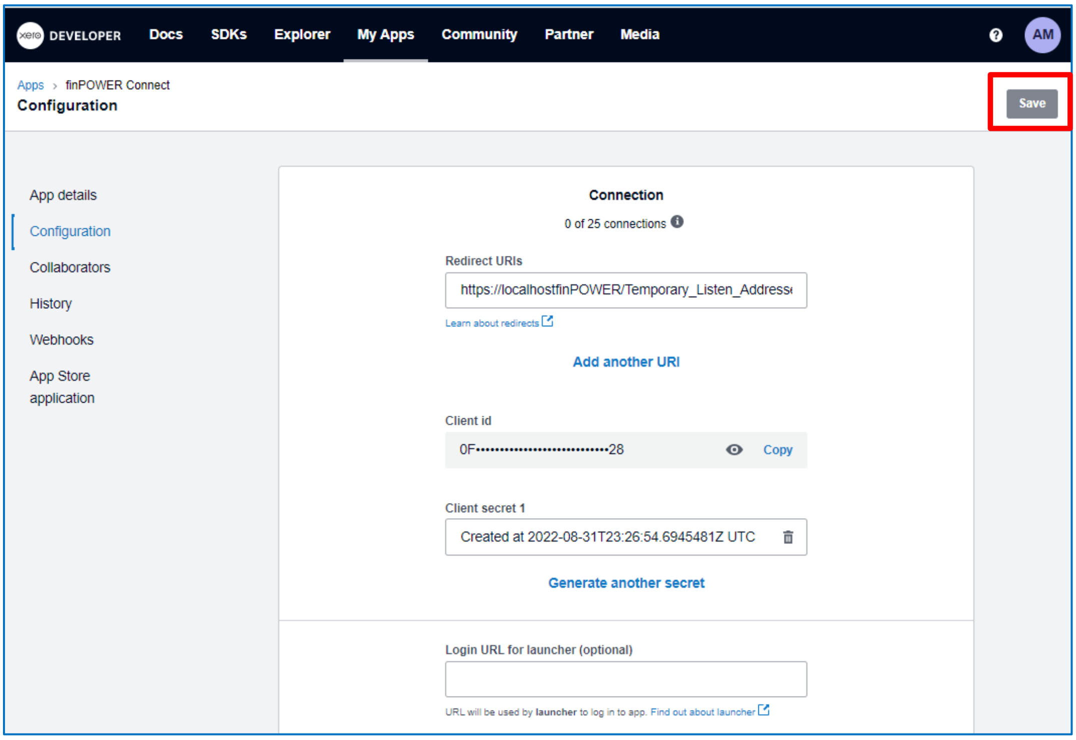
8. You will now be taken to the 'Apps details' section where you need to click through the options on the left.

   a. App details – check these details are correct.
   b. Configuration – you need to **Copy** the 'Client id'; we suggest pasting this into a document for safe keeping/future use.

   Also, from the 'Configuration' page, you need to click on **Generate a secret**.



This will generate the 'Client Secret 1', which also needs saving. We recommend this is also saved somewhere for safe keeping as you will **not** be able to see this again.



The Date and Time will appear, and this should also be copied and saved so that you can identify that you are using the correct Client Secret should this need to be configured again.

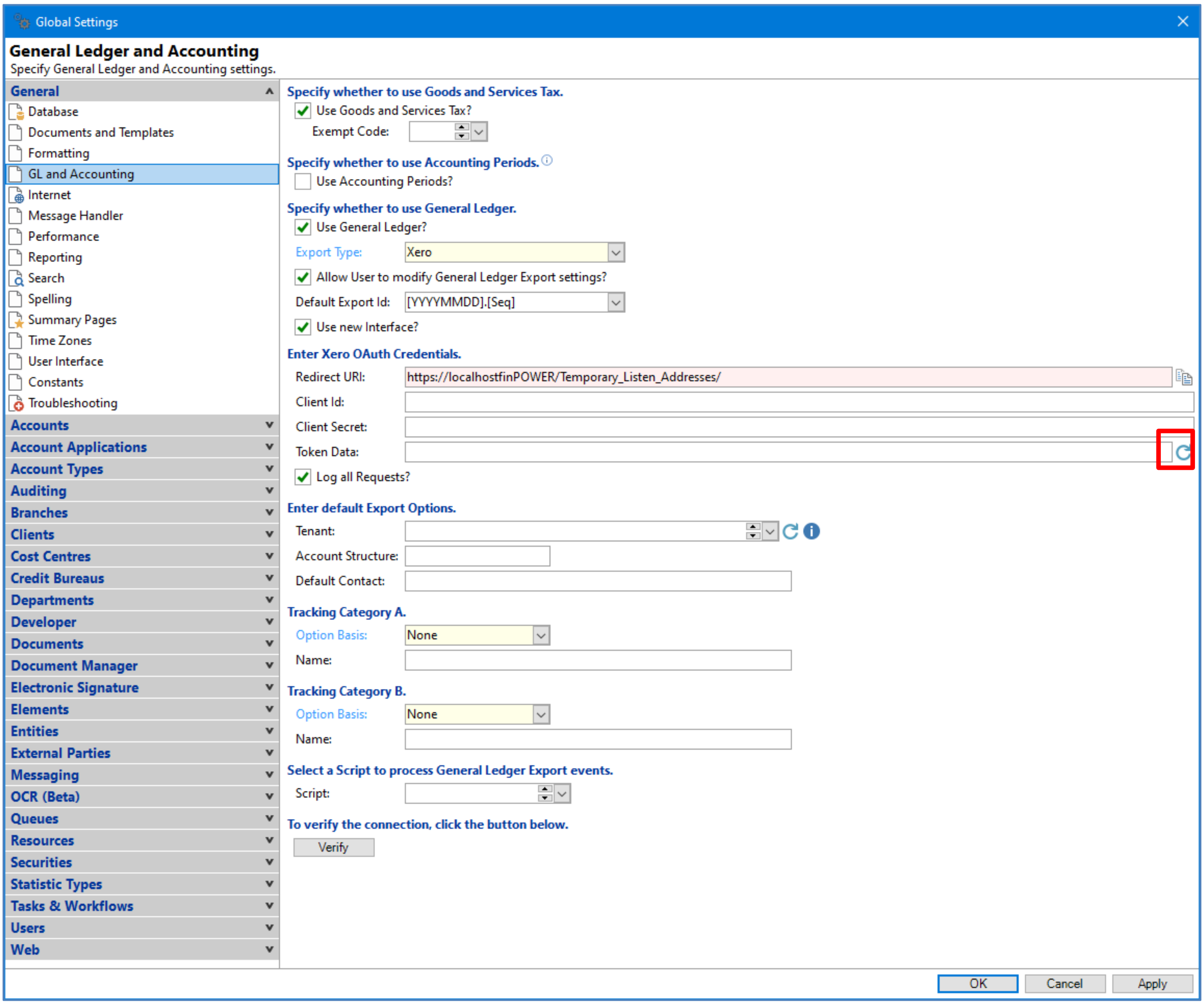
Note: at the time of writing this document, the 'Save' button could not be clicked on, however the details were saved automatically.

CONFIGURATION – FINPOWER CONNECT

GLOBAL SETTINGS

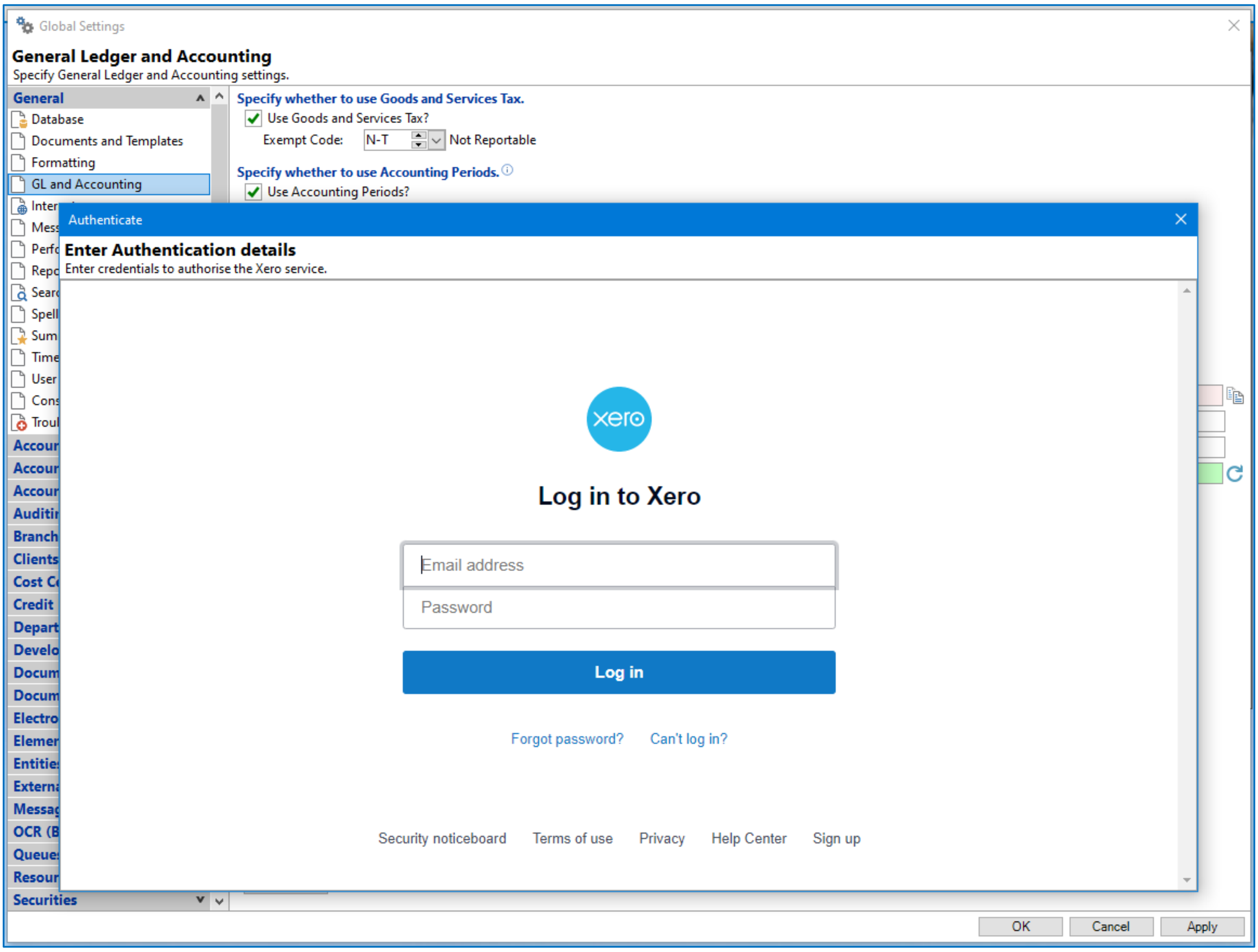
In order to utilise the API, you will need to add the **Xero** OAuth Credentials as detailed below:

1. Make sure you are **not** in Test Mode.
2. Go to menu option Tools, Global Settings, General, GL and Accounting page.
3. In the section **Specify whether to use General Ledger**, tick **Use General Ledger** and **Use new Interface** checkboxes and select 'Xero from the dropdown list.
4. In the **Enter Xero OAuth Credentials** section enter the **Client Id** and **Client Secret** that you copied and saved out of Xero.

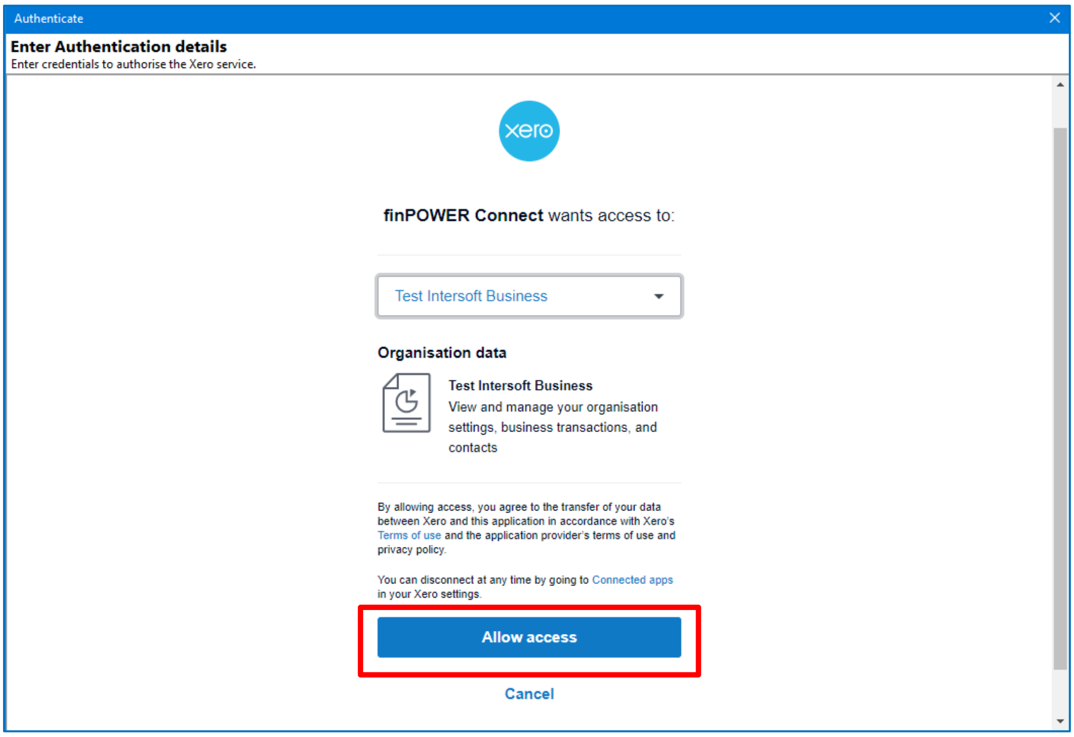


5. Click the Refresh icon at the end of the **Token Data** field; you will be taken to the 'Allow Access' screen in Xero.

a. Log in with your **Xero** Details (**Xero** User must have the appropriate permissions to add transactions).



b. You will then be taken to the screen that allows you to grant access for **finPOWER Connect** to your **Xero** information.

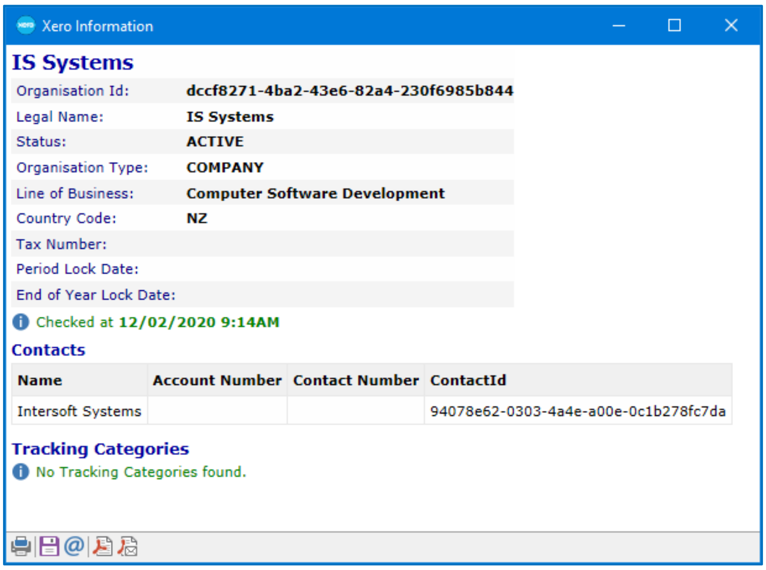


c. Click on the **Allow access** button; the window will then close, and the Token Data entered.

6. In the **Enter default Export Options** section, click the Refresh button beside the **Tenant** drop-down List and then select the ID for your 'Tenant'.

   Note: You can connect to any **Xero** Organisation the **Xero** User has access to.

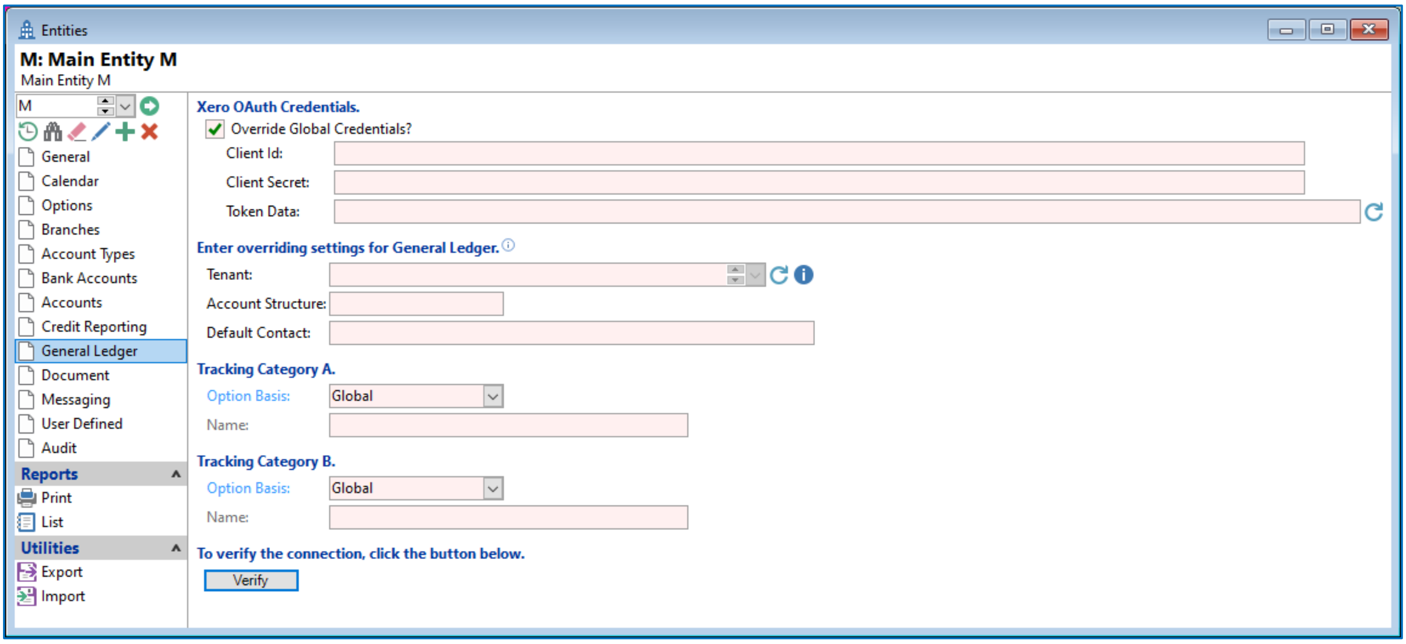
- Save the changes by clicking the **Apply** button at the bottom of the Global Settings page.
- To retrieve your default contact information, click the **Verify** button and you will see a list of available Contacts (as set up in **Xero**).
- You will be able to copy the ID for pasting in the **Default Contact** box.



ENTITIES

If you are using multiple Entities and connecting to separate General Ledgers within **Xero** then use the Entity, General Ledger page to set up the additional credentials. We recommend that you use Global Settings for the initial set of credentials and this page for the additional sets, connecting the Entity to the specific 'Tenant' IDs within **Xero**.

The credentials are obtained and entered the same way as Global Settings. Please refer to that section for specifics of obtaining the information.



Xero OAuth Credentials:

1. Tick the **Override Global Credentials** checkbox to add different credentials in this page.
2. Enter the **Client Id** and **Client Secret** as obtained from **Xero**.
3. Click the Save button for the page.
4. At the end of the **Token Data** field, click the Refresh button; you will be taken to the 'Allow Access' screen in **Xero.**

   Log in with your **Xero** details and click the **Allow Access** button. The window will close, and the **Token Data** entered into the field.

Enter overriding Xero settings for General Ledger:

1. Click the refresh button at the end of the **Tenant** field.
2. Go into Edit mode for the page i.e., click the blue pencil icon.
3. Click the drop-down list and select the relevant **Company Id**.
4. Click the Save button for the page.
5. Click the information button. This will bring up information about the Company Id that was selected, so that you can check that the details are correct.

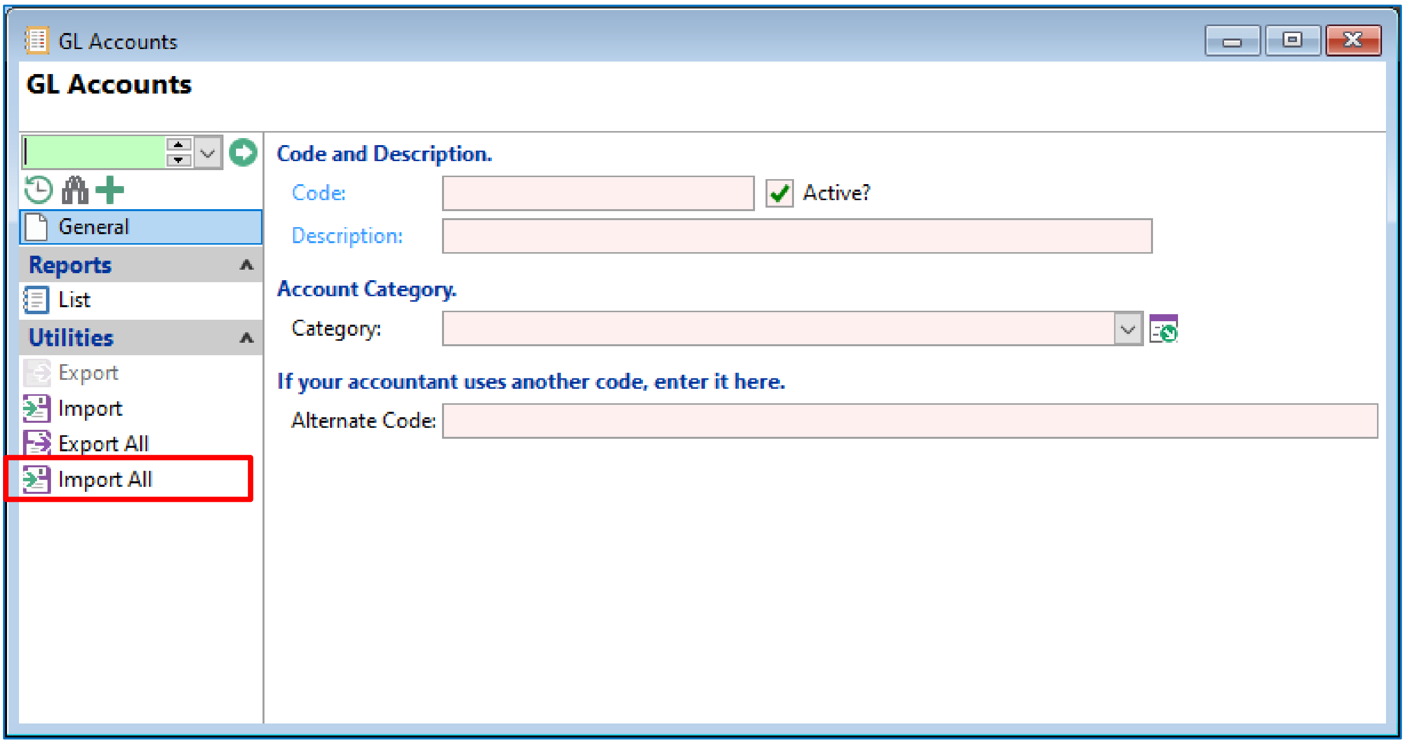
To verify the connection, click the button below.

Click the **Verify** button; this will show you the Company information so that you can check the correct one has been linked.

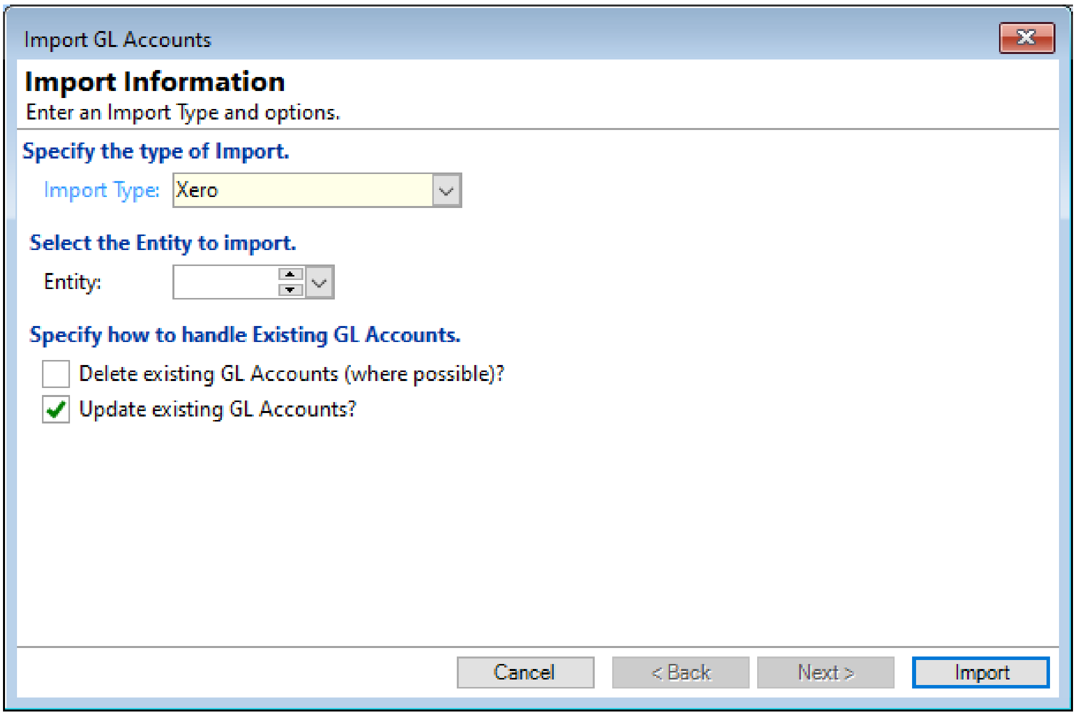
GL ACCOUNTS

Once the API Credentials are set up and confirmed as working, you need to check that the GL Accounts in finPOWER Connect match those in **Xero**.

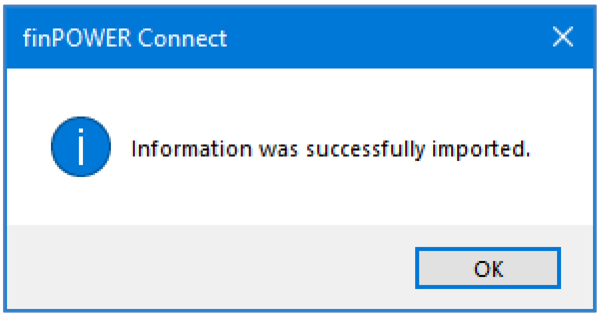
One option is to manually check that the finPOWER Connect Code and the **Xero** Account Numbers match.



The simplest option is to click the **Import All** button shown under 'Utilities' and follow these steps:



1. Select the **Import Type** as **Xero**.
2. Select the **Entity**.
3. Specify how to handle Existing GL Accounts by ticking the following checkboxes:
   - **Delete existing GL Accounts (where possible)?**
     Note: if you already have GL Accounts configured and in use, this option should be left unticked.
   - **Update existing GL Accounts?**
4. Click the **Import** button. The following message will show, providing the API Credentials are set up correctly:

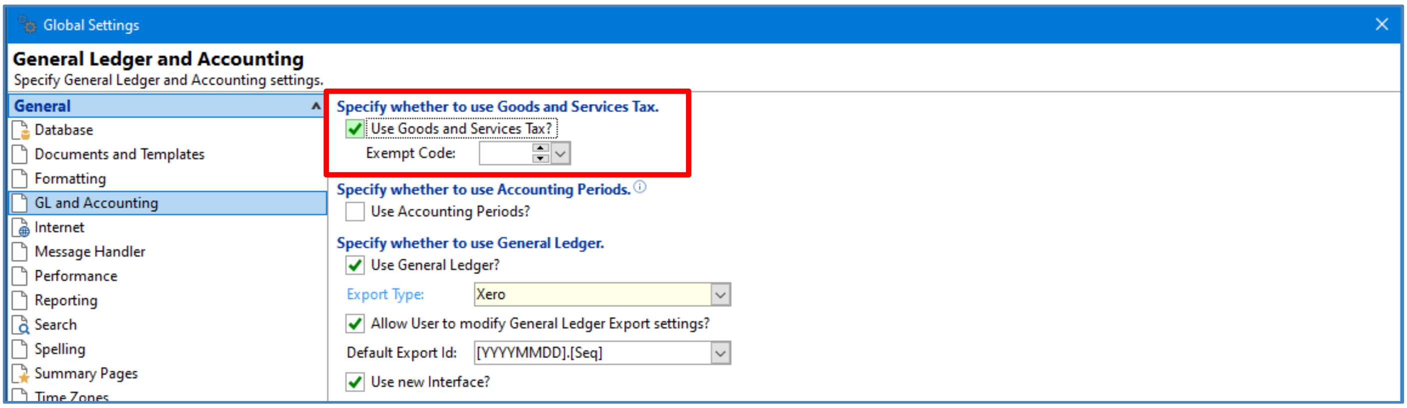


GST CODES

If you are using GST and this is being exported as part of the batch to Xero, then you need to be aware of some settings that are required and suggested.

Global Settings

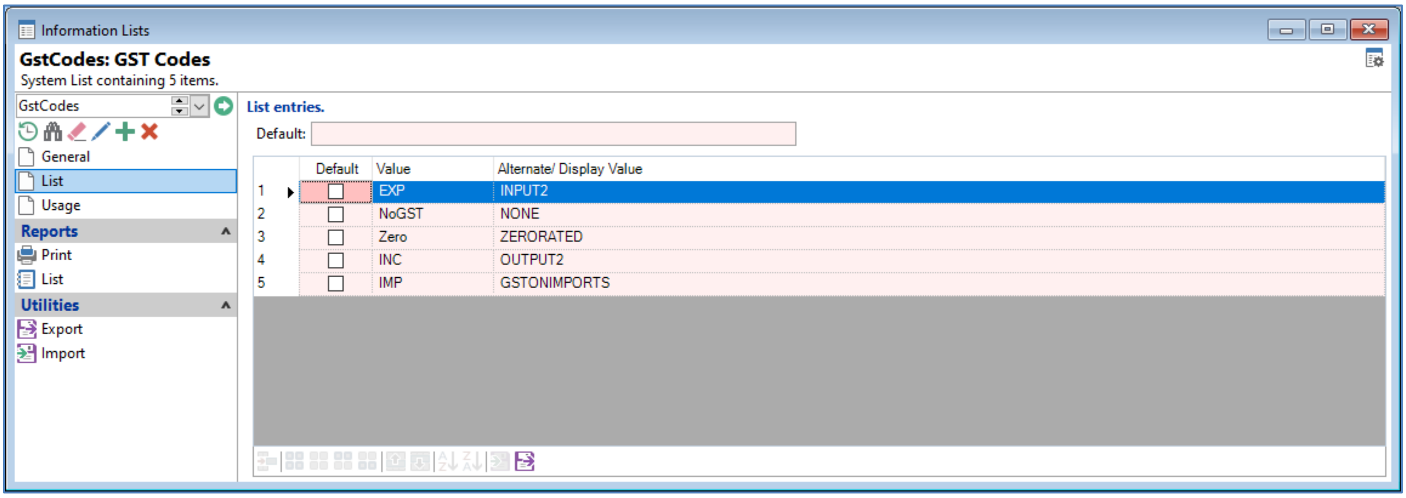
If you are using GST, then on the menu option, Tools, Global Settings, General, GL and Accounting page, the 'Use Goods and Services Tax' checkbox must be ticked.



It is suggested that the dropdown list, 'Exempt Code' is left blank to work with the Xero API.

Information List

The following items are needed for Xero via the Information List 'GstCodes'.



The information must be in the same format as the screenshot above.

Information Lists can be found by going to menu option Admin, Information Lists.

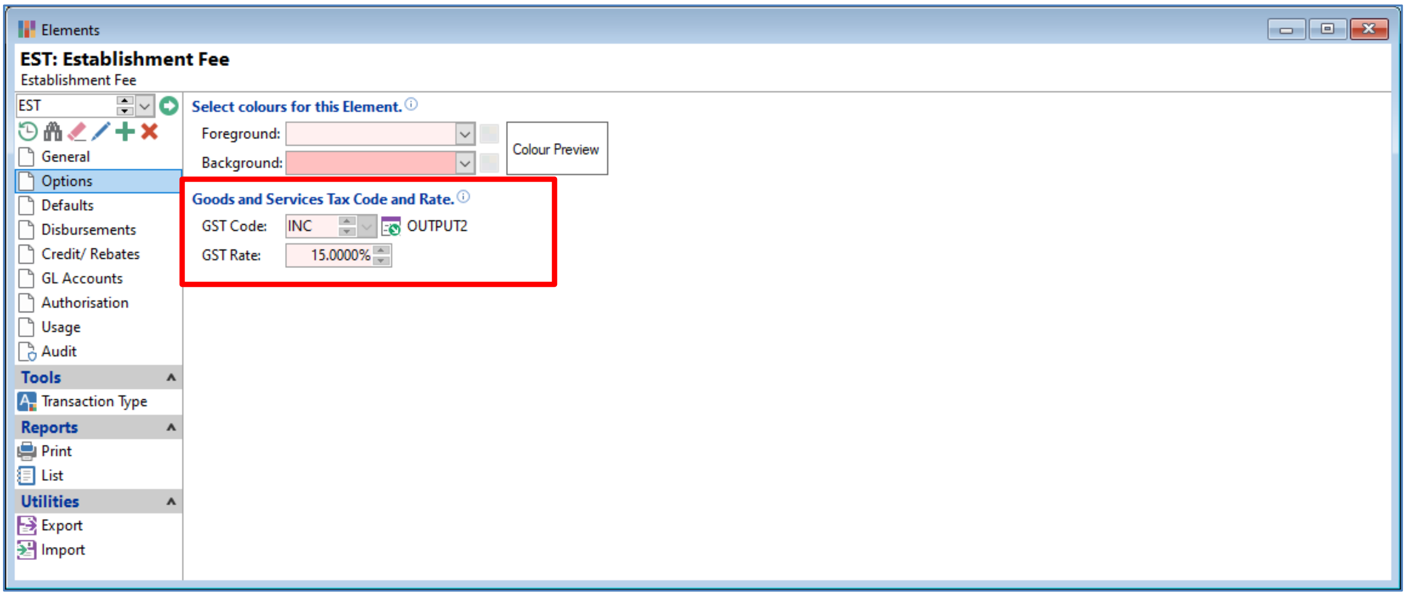
Please note: this list is outlined within Xero API documentation and is shown on their page as follows:

New Zealand

TAX TYPE	RATE	NAME	SYSTEM DEFINED
INPUT2	15.00	GST on Expenses	
NONE	0.00	No GST	Yes
ZERORATED	0.00	Zero Rated	
OUTPUT2	15.00	GST on Income	
GSTONIMPORTS	0.00	GST on Imports	Yes

Elements

Add in the correct GST Code and Rate by going to the menu option, Admin, Elements, Options page, and select the Element e.g., Establishment Fee. You will be able to see a section 'Goods and Services Tax Code and Rate.

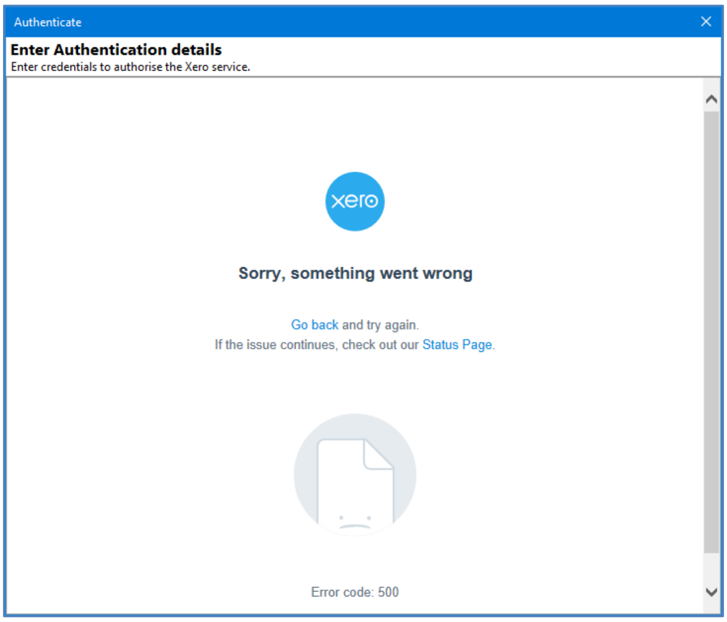


- **GST Code** – select from the dropdown list the relevant GST code. These codes were entered into the 'Information List' in the section above.
- **GST Rate** – enter the correct Rate.

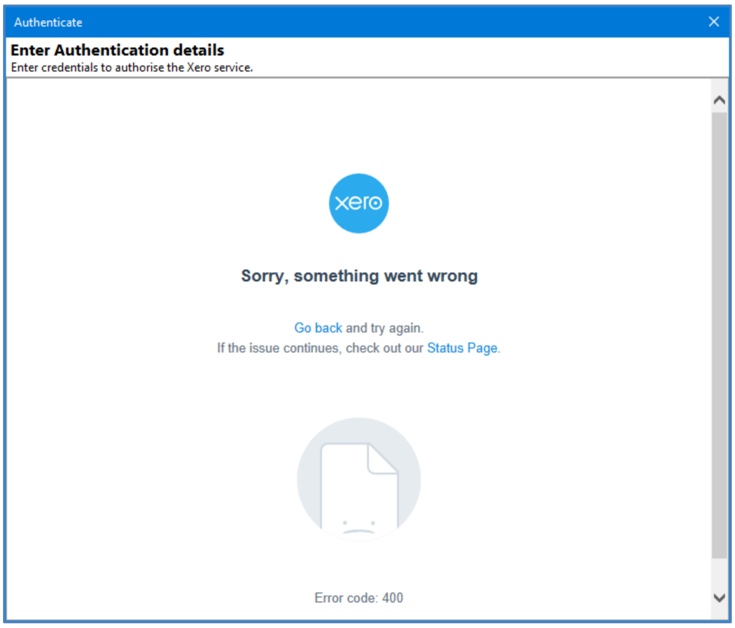
TROUBLESHOOTING - COMMON ERROR MESSAGES

1. Initialise Errors

Error code 500: The URI address has been incorrectly entered when creating the APP on Xero Developer. Log in and check that the URI matches:
https://localhostfinPOWER/Temporary_Listen_Addresses/

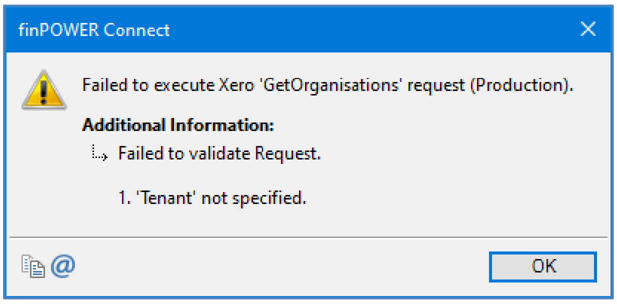


Error Code 400: The Client Secret is incorrect – check that it has been copied correctly or generate a new Client Secret by logging in to **Xero** Developer.



2. Verify Error

No Tenant/Organisation ID has been entered. Review your Global Settings and select the Organisation from the drop-down List.



3. Export Error

The Contact ID has not been copied from the information supplied in the Verify information form, review this section, and re-enter the Contact ID string.