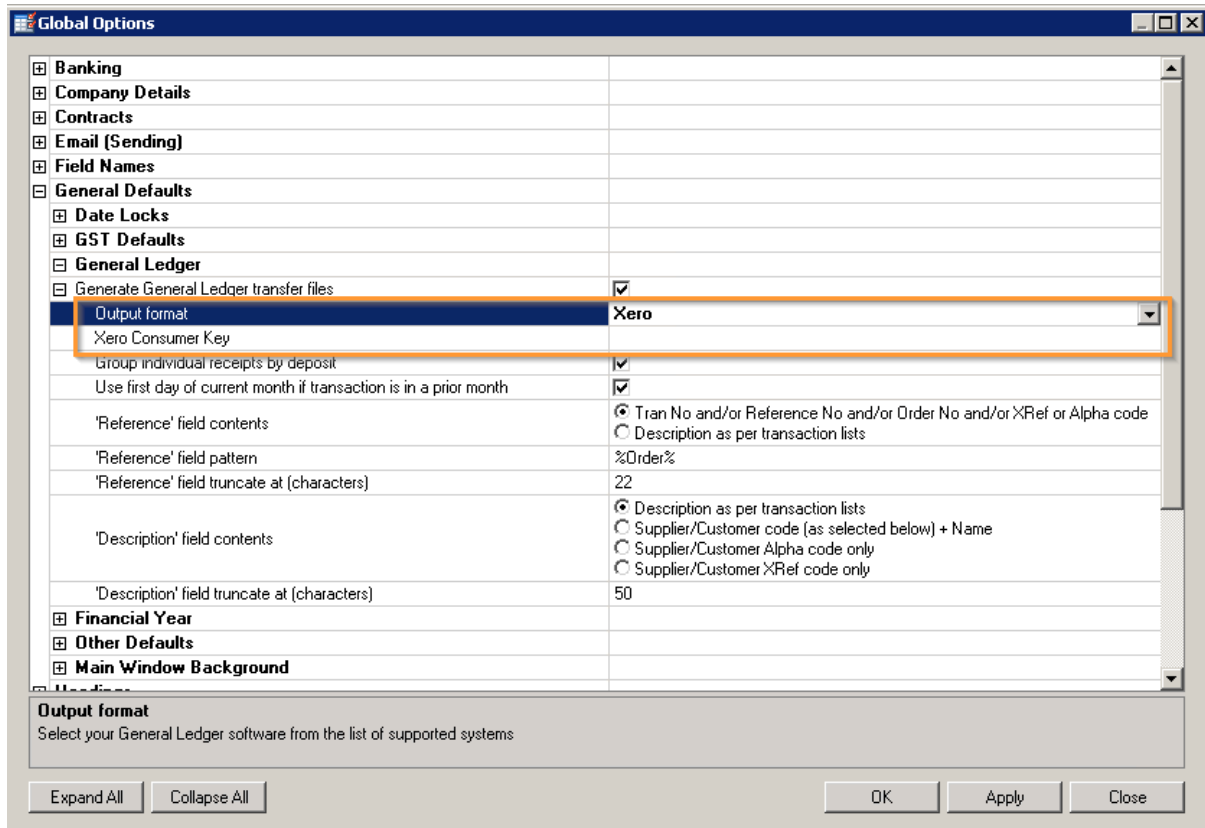


Grain Trader

Xero Export

Enabling the Xero output format

Select the 'Xero' option in the Output format box in the Global Options window. Note: you will need the Xero Consumer Key, which will come from the next step.



Adding Grain Trader as a Xero add-on

The Xero export requires a Consumer Key. To get this, set up Grain Trader as an application in your Xero organisation:

1. Go to <https://api.xero.com/Application/Add>
2. Select the 'Private' application type
3. Enter 'Grain Trader' as the Application Name
4. Select your organisation
5. Upload the Public Key Certificate. This file is located in <path>.
6. Press Save

My Applications >

Add an Application

Getting started with the Xero Developer API

Hide Getting Started X



Watch the API tour
(2 minutes long)

Try out the features and get familiar with Xero Developer API using the API Previewer then register your own application.

- Try the [API Previewer](#) to see the API in action
- Try the [Payroll API Previewer](#) to see the new Payroll features.
- Register your own application
- Refer to our [Developer Centre](#) for our API Reference and code samples
- You can always [contact our API support team](#) at anytime to ask us a question.

What type of application are you developing?

- Public - for use with any organisation that authorises you
- Private - just for use with my own organisation

Application Name

Please select which organisation your application can access:

X509 Public Key Certificate

Either, paste in the base-64 encoded X509 certificate file in here

Or, select a X509 certificate (.cer) file to upload

 publickey.cer

Enable Payroll API for this organisation

What is the difference between a Public and Private app?

Read our guide on [adding an application](#) on the Xero Developer Centre site.

Why do I need an X509 Public Key Certificate?

When using a private application, all calls to the Xero API must be signed using RSA-SHA 1.

An X509 Certificate (containing the public key only) will need to be uploaded to Xero so that we can use this to verify the source of your API calls.

Read our guide on [adding an application](#) on the Xero Developer Centre site to learn more about creating a X509 public key certificate.

See the [Xero Developer Centre](#) for more information on OAuth authentication.

After pressing Save, a confirmation screen will give you the Consumer Key. Copy this key and paste it into the Global Options window.

✓ Application added ✕

Application Name

Selected Organisation:

X509 Public Key Certificate

Subject

Valid From

Valid To

Thumbprint

[Upload a new Public Key Certificate](#)

OAuth Credentials

Consumer Key

Consumer Secret

[Regenerate Key and Secret](#)

Note, For Private applications, the consumer token and secret are also used as the access token and secret.

API Endpoint URL:

Setting up your mapped GL accounts

Use the Sales Departments and Purchase Departments windows to map departments to their corresponding accounts in Xero. The codes in Grain Trader and Xero must match. For sales and liability accounts, use the 'GL Credit' column. For cost of sales and expense accounts, use the 'GL Debit' column. The system will ignore the other column.

Sales Departments ✕

Code	Description	GL Debit	GL Credit
0001	Total Invoices		
0002	Total Credits		
0003	Total Receipts		
0004	Discount Allowed		
0005	Other Income (Bank S/ment)		
0006			
0007	GST Collected		
0008	GST Discount Allowed		
0009			
0010	Sales - Seed & Grain		200
0011	Sales - Transport		200
0012	Sales - Brokerage		200
0013	Sales - Grading		200
0014	Sales - Bagging		200

Code	Description	GL Debit	GL Credit
0001	Total Invoices		
0002	Total Credits		
0003	Total Payments		
0004	Total Levies		801
0005	Other Purchases (Bank S/ment)		
0006			
0007	GST Paid		
0008	GST Discount Taken		
0009	Discount Taken		
0010	Purchases - Seed & Grain	300	
0011	Purchases - Transport	300	
0012	Purchases - Brokerage	300	
0013			
0014			
0015	Truck - Tyres		

Add OK Cancel

General Settings >
Chart of Accounts

+ Add Account + Add Bank Account Print PDF Import Export

All Accounts Assets Liabilities Equity Expenses Revenue Archive

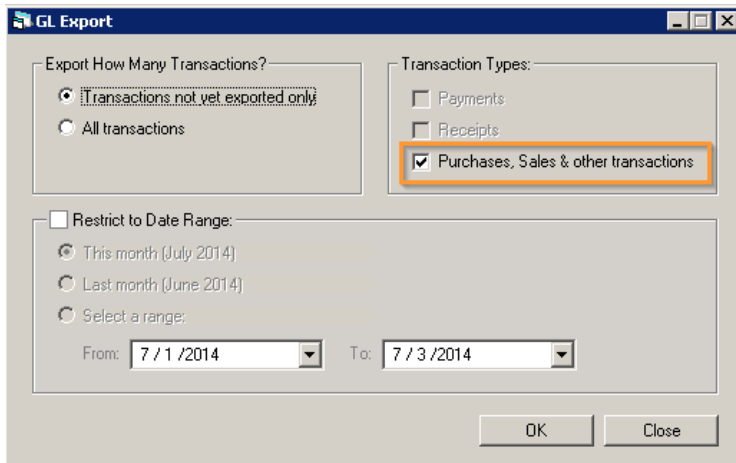
What's this? ⓘ

 No accounts selected

<input type="checkbox"/>	Code	Name	Type	Tax Rate	YTD
<input type="checkbox"/>	090	Business Bank Account	Bank	BAS Excluded	(2,151.58)
<input type="checkbox"/>	091	Business Savings Account	Bank	BAS Excluded	(51.72)
<input type="checkbox"/>	200	Sales Income from any normal business activity	Revenue	GST on Income	0.00
<input type="checkbox"/>	260	Other Revenue Any other income that does not relate to normal business activities and is not recurring	Other Income	GST on Income	0.00
<input type="checkbox"/>	270	Interest Income Interest income	Other Income	GST on Income	0.00
<input type="checkbox"/>	300	Purchases Goods purchased with the intention of selling these to customers	Direct Costs	GST on Expenses	0.00
<input type="checkbox"/>	400	Advertising Expenses incurred for advertising which bring to increase sales	Expense	GST on Expenses	0.00

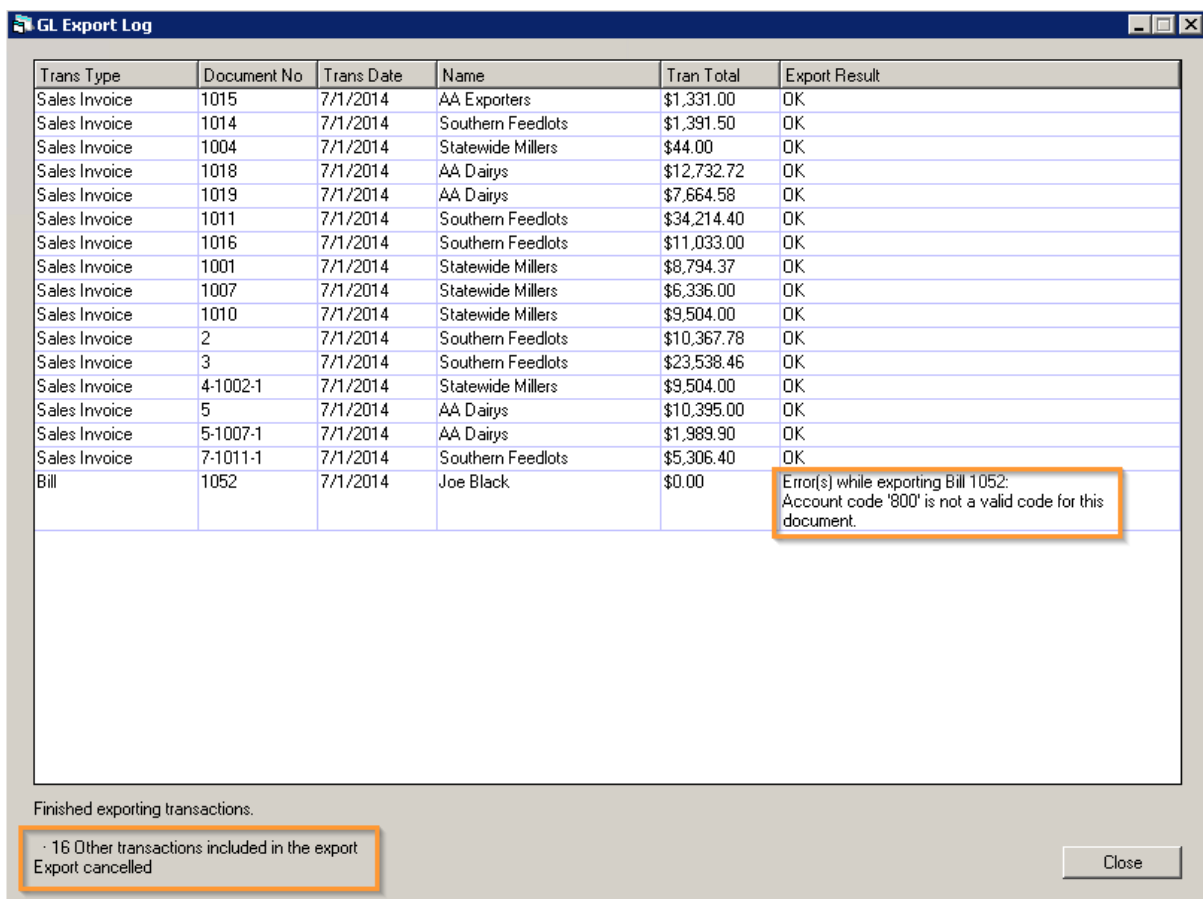
Running the GL Export

Currently only purchase and sale invoices and credit notes are supported. As shown below, the Payments and Receipts options are not available.



A GL Export Log will record the export result of each transaction exported to Xero. Exported transactions are saved in Xero with the status 'Awaiting Approval', and should be approved once an Export Reconciliation is performed (see next section).

If an error occurs, the export will be cancelled and the error description will show. Correct any errors before reattempting the export. Grain Trader will then resume from the next transaction.



Performing an Export Reconciliation

As with any integration product, it is strongly recommended that a reconciliation of exported amounts be performed to ensure there are no accounting discrepancies between Grain Trader and Xero. We recommend performing the following steps:

1. Ensure there are no transactions awaiting approval in Xero prior to exporting

The screenshot shows the Xero Accounts dashboard. The top navigation bar includes Dashboard, Accounts, Payroll, Reports, Adviser, Contacts, and Settings. The main heading is "Sales". Below this, there are buttons for "+ New", "Send Statements", "Import", and a "Search" field. The "Invoices" section is active, with sub-links for "Paid", "Repeating", and "See all". A summary row shows four categories: "Draft (4) 2,200.00", "Awaiting Approval None" (highlighted with an orange box), "Awaiting Payment (11) 16,077.12", and "Overdue (8) 14,989.07". Below this, there are two charts: "Money coming in" (a bar chart showing income for Older, Apr, May, Jun, Jul, and Future) and "Customers owing the most" (a table listing customers and their amounts).

Category	Count	Amount
Draft	4	2,200.00
Awaiting Approval	None	None
Awaiting Payment	11	16,077.12
Overdue	8	14,989.07

Customer	Amount	Total
Ridgeway University	6,187.50	6,187.50
DIISR - Small Business Services	3,850.00	3,850.00
Pinnacle Management	3,080.00	3,080.00
Basket Case	914.55	914.55
City Limousines	849.50	910.00

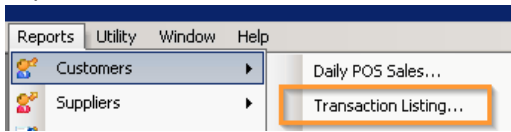
2. Run the export, noting the number of transactions exported

The screenshot shows a "GL Export Log" window. It contains a table with the following data:

Trans Type	Document No	Trans Date	Name	Tran Total	Export Result
Sales Invoice	1018	8/13/2013	AA Dairys	\$12,732.72	OK
Sales Invoice	1019	8/9/2013	AA Dairys	\$7,664.58	OK

Below the table, it says "Finished exporting transactions." and "2 Other transactions included in the export" (highlighted with an orange box). A "Close" button is at the bottom right.

- Run a Customer and/or Supplier Transaction Listing report for the period covered by the export



- Check that 'Total Invoices' minus 'Total Credits' equals the total amount awaiting approval in Xero, and ensure the transaction count from Step 2 matches:

ABC Company
Debtor Transaction Listing - 8/9/2013 to 8/13/2013

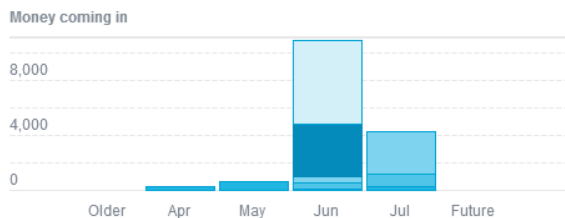
Date	Type	Transaction	Description	Account Name	Amount
9/08/13	INVOICE	1019	100067 Wheat ASW1	AA - AA Dairys	\$7,664.58
13/08/13	INVOICE	1018	100065 Wheat ASW1	AA - AA Dairys	\$12,732.72
Total Invoices					\$20,397.30
Total Credits					\$0.00
Total Receipts					\$0.00
Total Discounts					\$0.00

Sales

+ New Send Statements Import Search

Invoices [Paid](#) | [Repeating](#) | [See all](#)

Draft (4) 2,200.00	Awaiting Approval (2) 20,397.30	Awaiting Payment (11) 16,077.12	Overdue (8) 14,989.07
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Customers owing the most [List](#) | [Pie](#) [All](#)

Ridgeway University	6,187.50	6,187.50
DIISR - Small Business Services	3,850.00	3,850.00
Pinnacle Management	3,080.00	3,080.00
Basket Case	914.55	
City Limousines	849.50	910.00

Warnings

Duplicate documents numbers

It is possible in Grain Trader to have the same document number for different transactions. One example is creating a batch which includes transactions for multiple customers. If you have an existing invoice waiting for approval in Xero ("the first invoice"), and a different invoice with the same document number is exported from Grain Trader ("the second invoice"), the first invoice will be overwritten with the second invoice. To prevent this from happening, ensure that you:

- Avoid using the same batch number for multiple customers
- Promptly approve exported transactions in Xero, and never start an export when there are transactions awaiting approval in Xero. This is because approved transactions cannot be modified

- Perform an export reconciliation after each export to ensure no transactions were inadvertently overwritten (see the section entitled “Performing an Export Reconciliation”)

Limitations

Export limits

There are two types of export limits enforced by Xero.

The first is a daily limit of 1000 exports against a particular Xero organisation in a rolling 24 hour period. This means that, at most, you can export 1000 transactions per day.

The second is a maximum of 60 exports in any 60 second period. This means that, at most, you can export 1 transaction per second.