Xero Integration With Odoo
A Complete User Guide

Developed By

Now also supports Xero Auth 2.0

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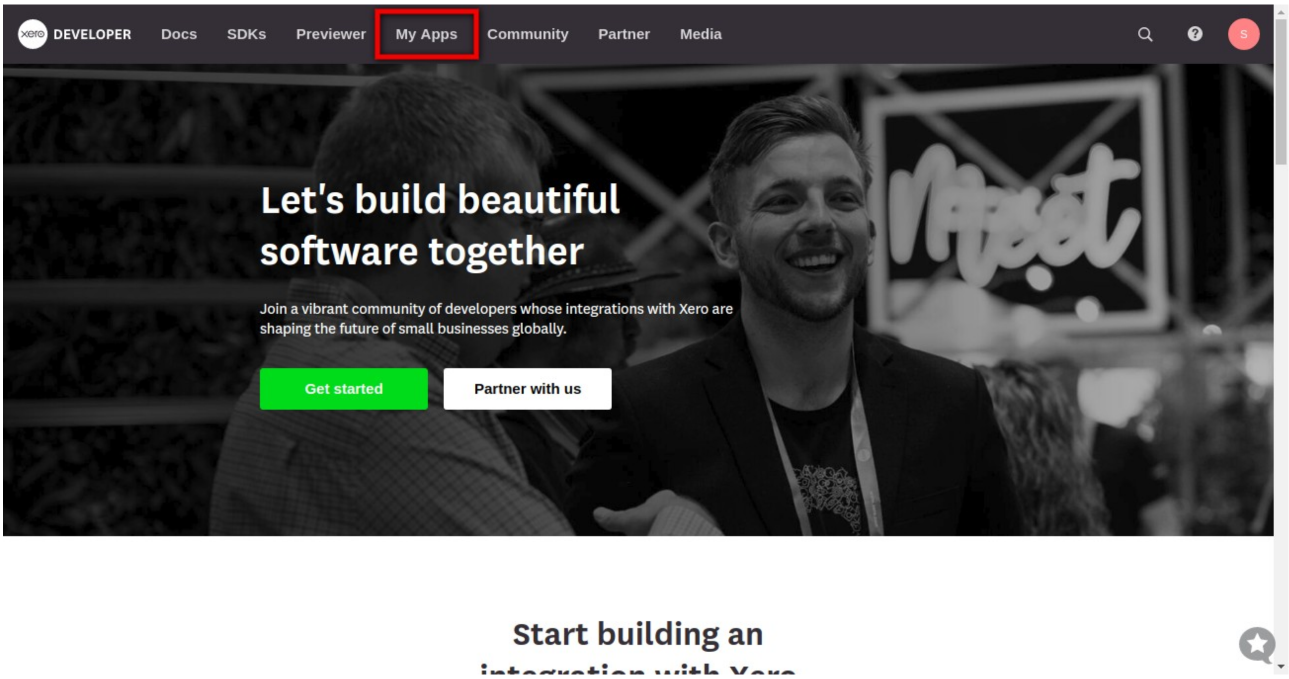
Required python packages:

sudo pip3 install -r requirements.txt

1 Keys generation at Xero

Step 1: Go to: https://developer.Xero.com/

Step 2: Click on My Apps Tab:



Step 3: Login to your Account:

User name: <Xero account username>
Password: <Xero account password>

Step 4: Create a new Application:

There are two types of accounts on Xero as explained below:

1 – Oauth 1.0
2 – Oauth 2.0

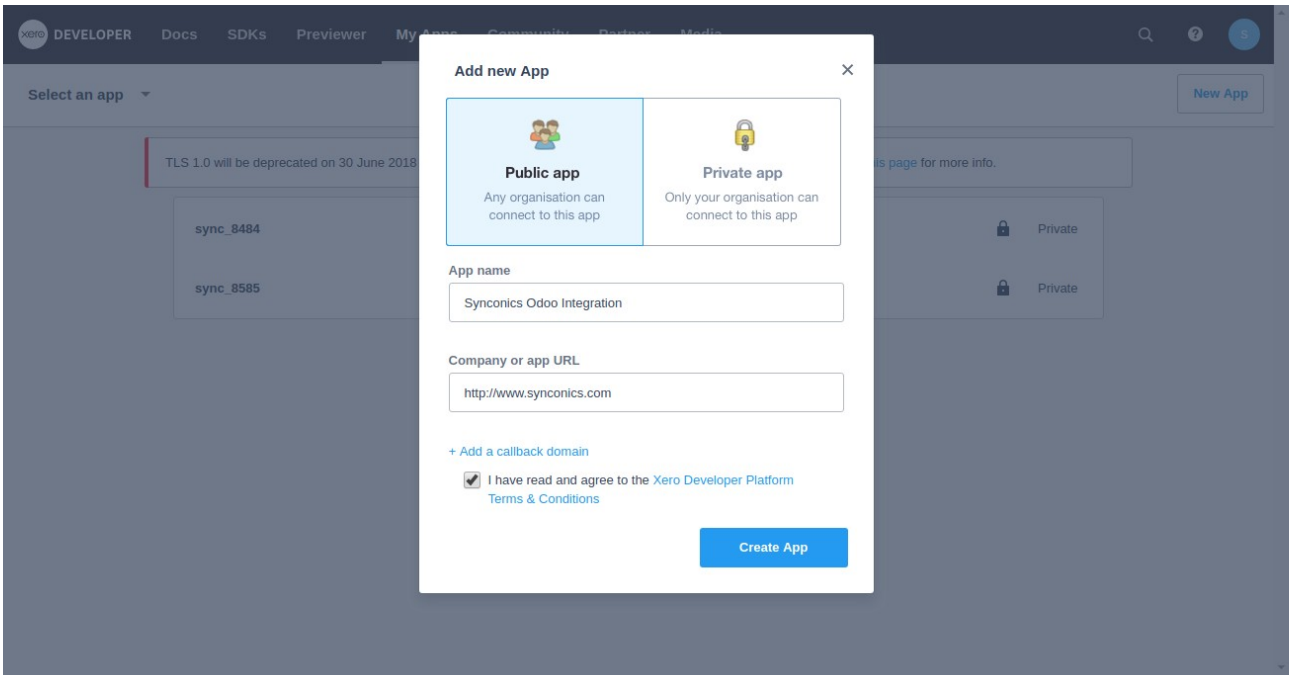
1.1 OAuth Type = 1.0

How to configure Oauth 1.0 Xero Account at Xero side?

There are two types of accounts on Xero as explained below:

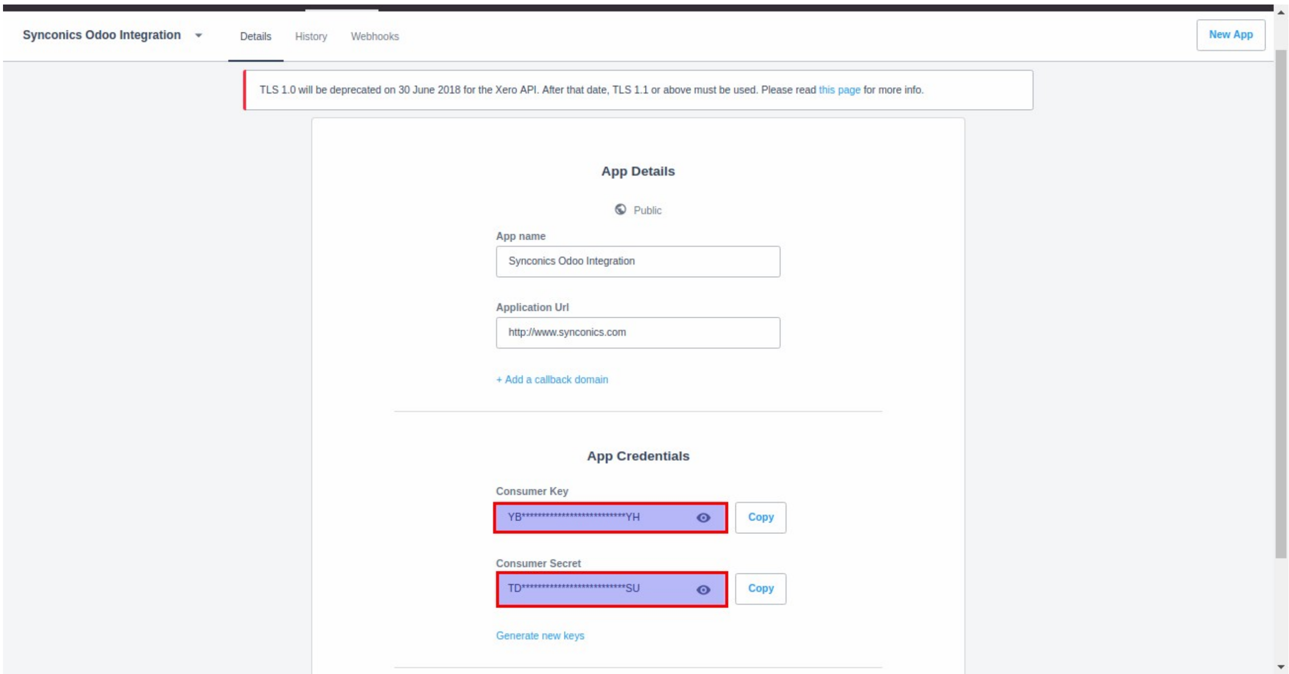
1 Public: Allows to transfer data up to 30 minutes. After 30 minutes your authorization code will be expired.
2 Private: Allows to transfer data for long time (self-installed applications connecting to one Xero organization only).

Public application:
- Select application type as public.
- Input application name.



When you create a new Application and save, it will generate a new Consumer Key and Customer Secret.

Consumer key and Customer Secret are used for connection between Xero and Odoo.



Private Application:

- Apply below command on your terminal.
    - sudo apt-get install python3-jwt
    - openssl genrsa -out privatekey.pem 1024
    - openssl req -new -x509 -key privatekey.pem -out publickey.cer -days 1825
    - openssl pkcs12 -export -out public_privatekey.pfx -inkey privatekey.pem -in publickey.cer
- It will create a new file in your folder (private.key, publickey.cer, public_privatekey.pfx).
- Select Application type as private.
- Input an Application name.
- Upload or copy public key certificate file.

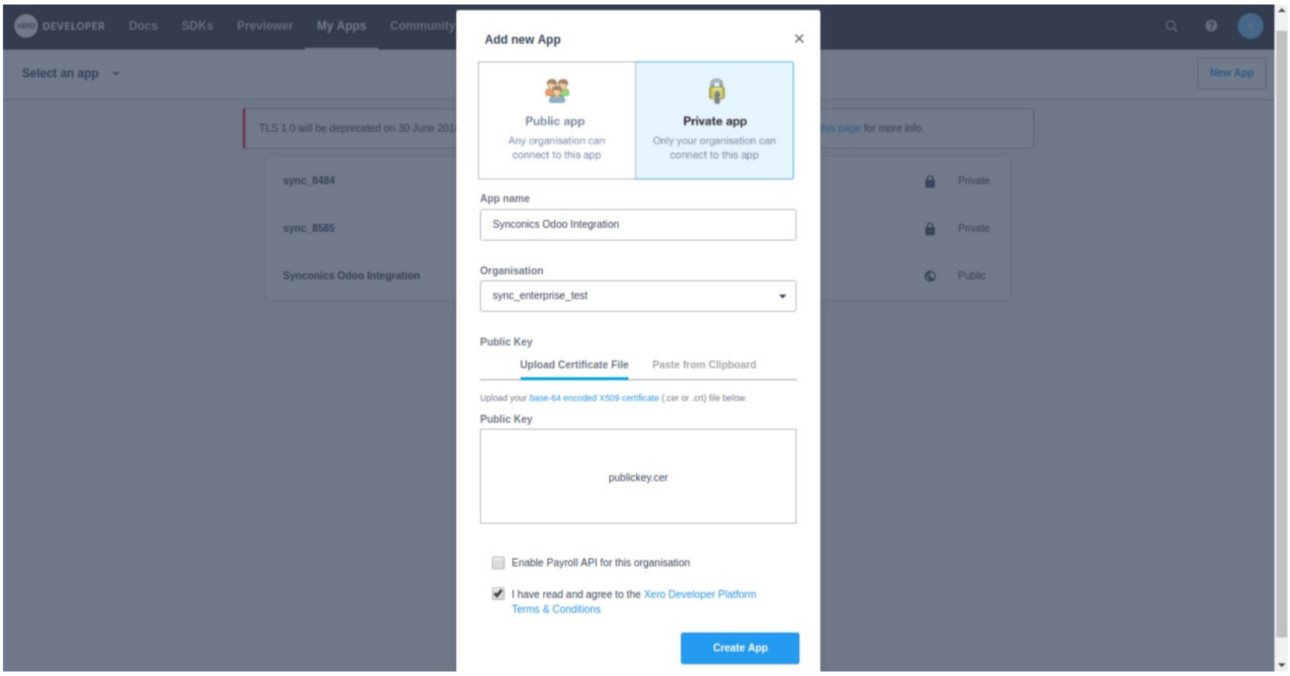
For Odoo.sh

Open shell and perform below commands:

1. cd /home/odoo
2. pip3 install requests-oauthlib
3. pip3 install PyJWT
4. openssl genrsa -out privatekey.pem 1024
5. openssl req -new -x509 -key privatekey.pem -out publickey.cer -days 1825
6. openssl pkcs12 -export -out public_privatekey.pfx -inkey privatekey.pem -in publickey.cer

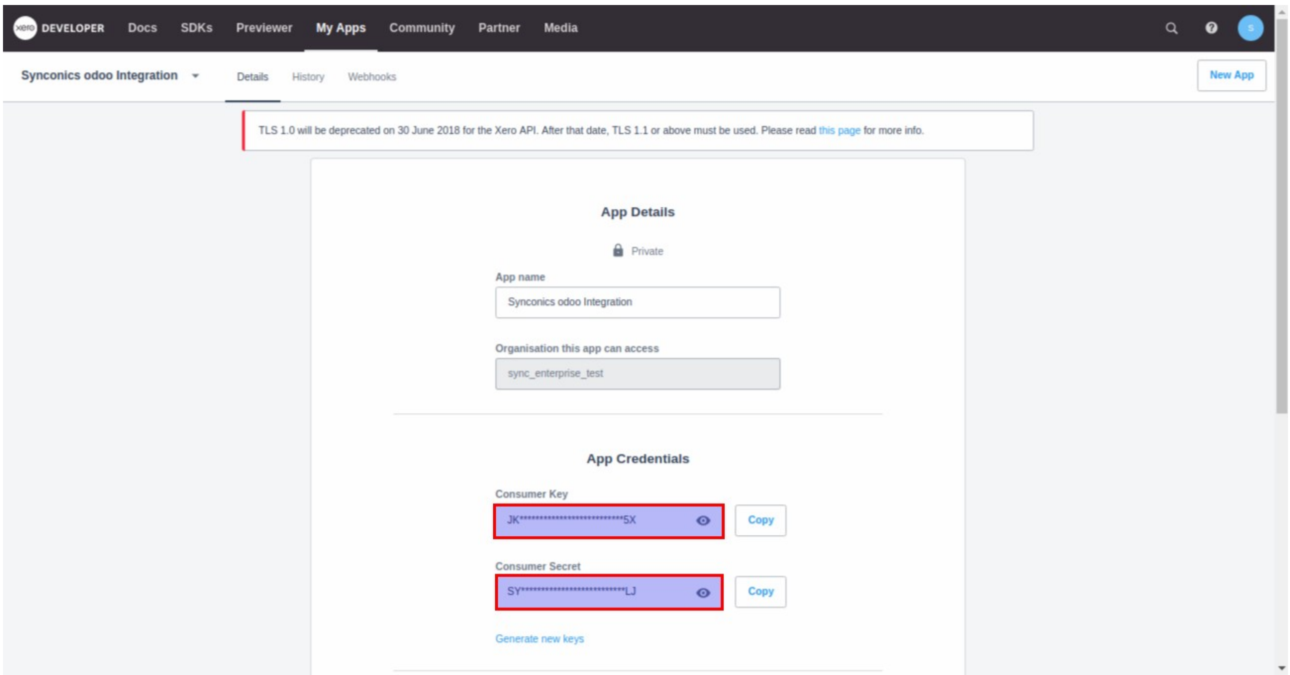
For Downloading key files:

1. Open Editor.
2. Go to Home directory.
3. Download all key files manually, by right click on file and download it.



When you create a new application and save, it will generate a new consumer key and secret.

Consumer key and secret are used for connection between Xero and Odoo.

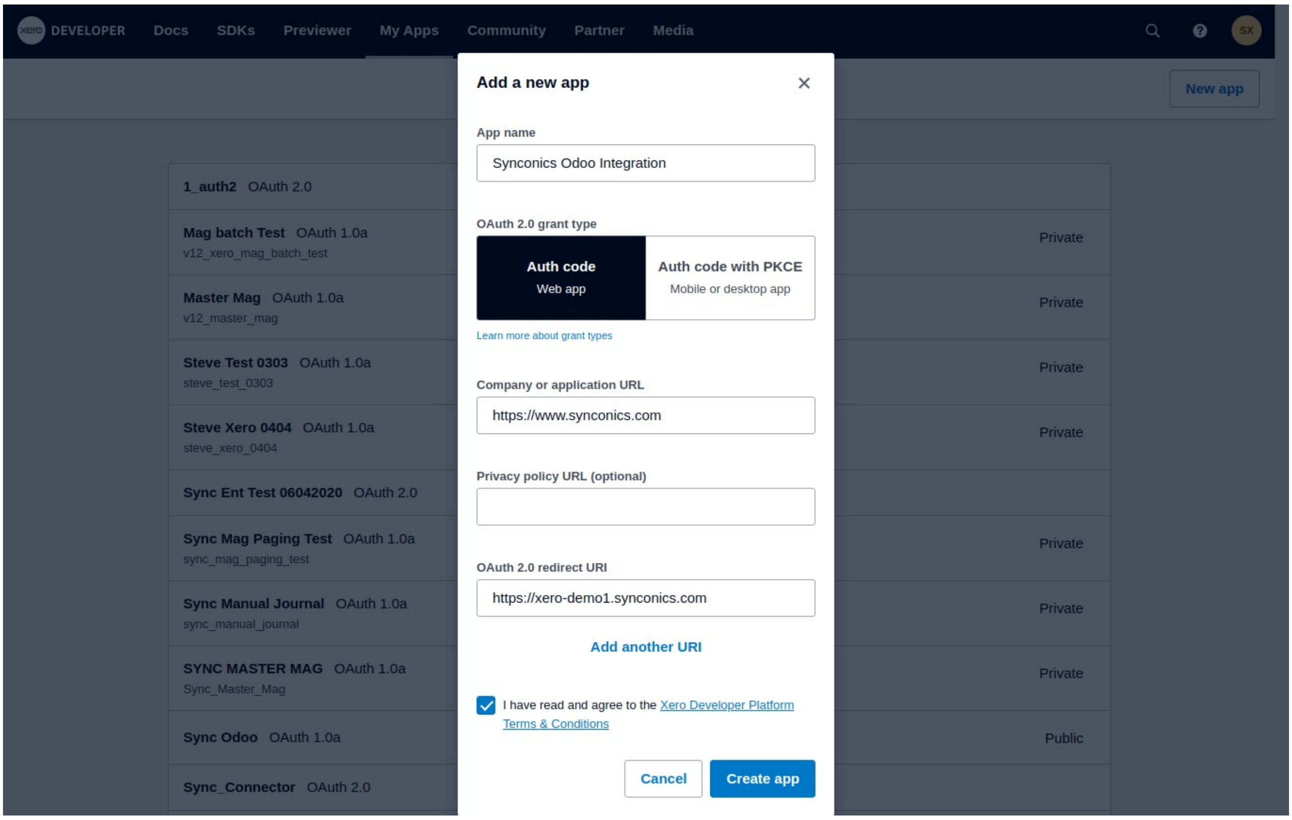


1.2 OAuth Type = 2.0

How to configure Oauth 2.0 Xero Account at Xero side?

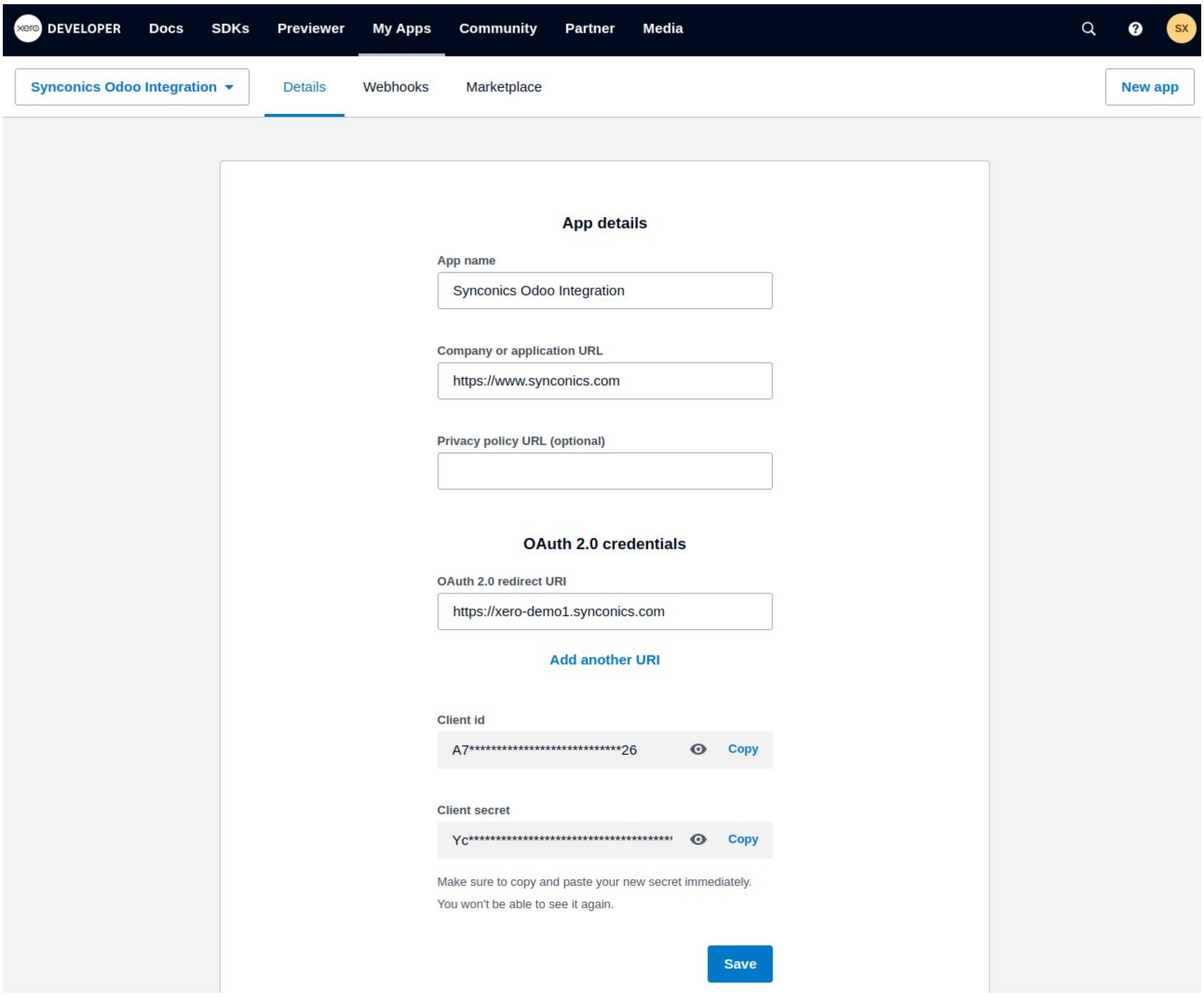
- Input an Application name.
- Input Company or an Application URL for an example – https://www.synconics.com
- Input OAuth2.0 redirect URL

Here you have to write your online Odoo URL from which you are accessing our module



When you create a new Application and save, it will generate a new Client ID and Client Secret.

Client ID and Client Secret are used for connection between Xero and Odoo.



2 How to Configure in Odoo?

Xero Account Configuration:

Go to Accounting → Configuration → Xero → Xero Accounts

There are two types of accounts on Xero, as explained below:

1. OAuth1.0
2. OAuth2.0

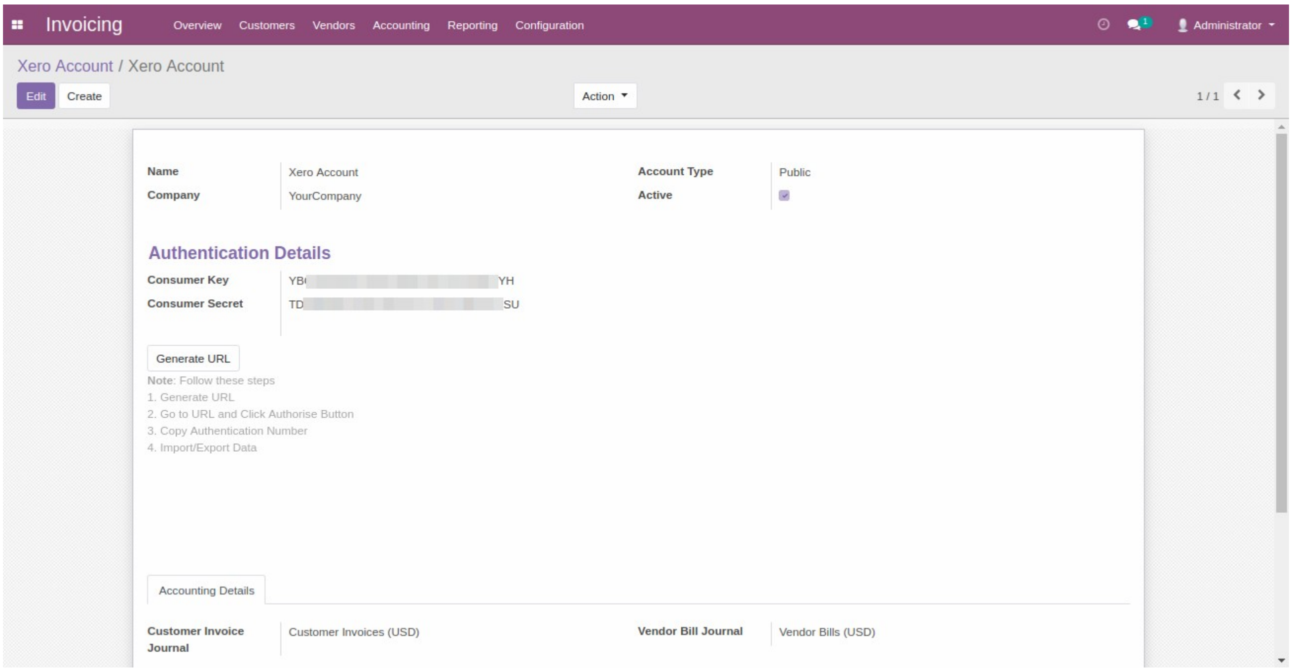
2.1 OAuth Type = 1.0

There are two types of OAuth1.0 accounts on Xero, as explained below:

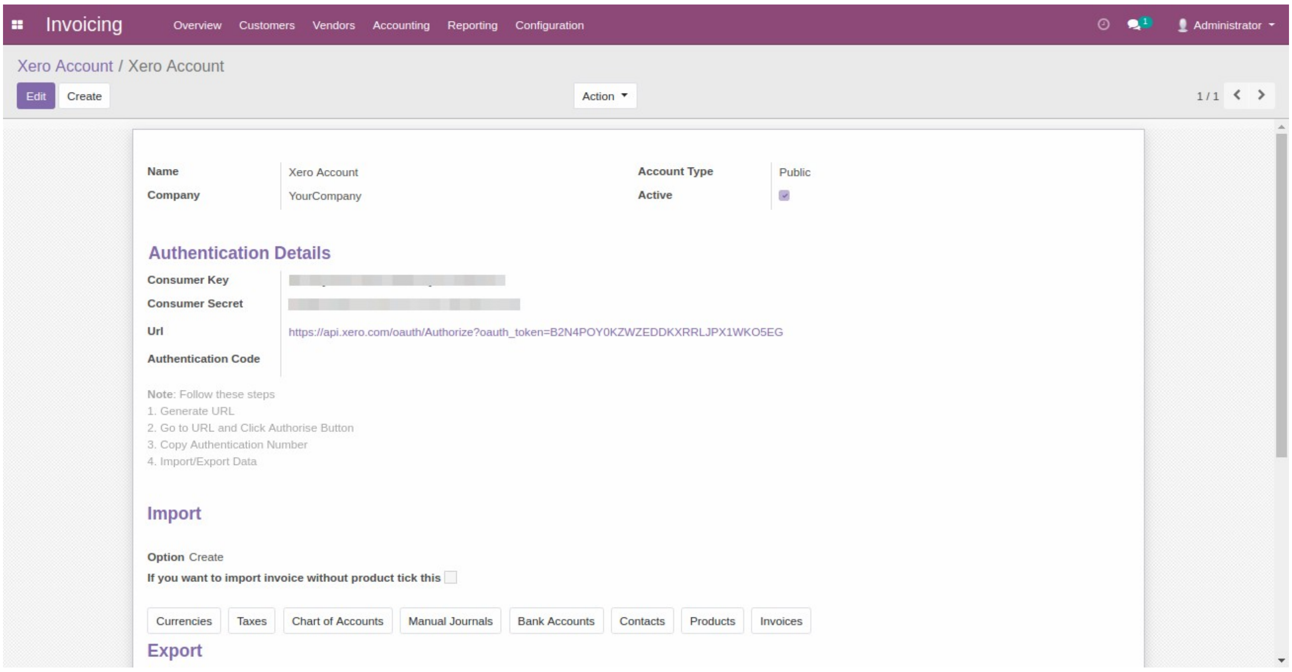
1 Public: Allows to transfer data upto 30 minutes. After 30 minutes your authorization code will be expired.
2 Private: Allows to transfer data for long time (self-installed applications connecting to one Xero organization only).

One may select as per their Account type.

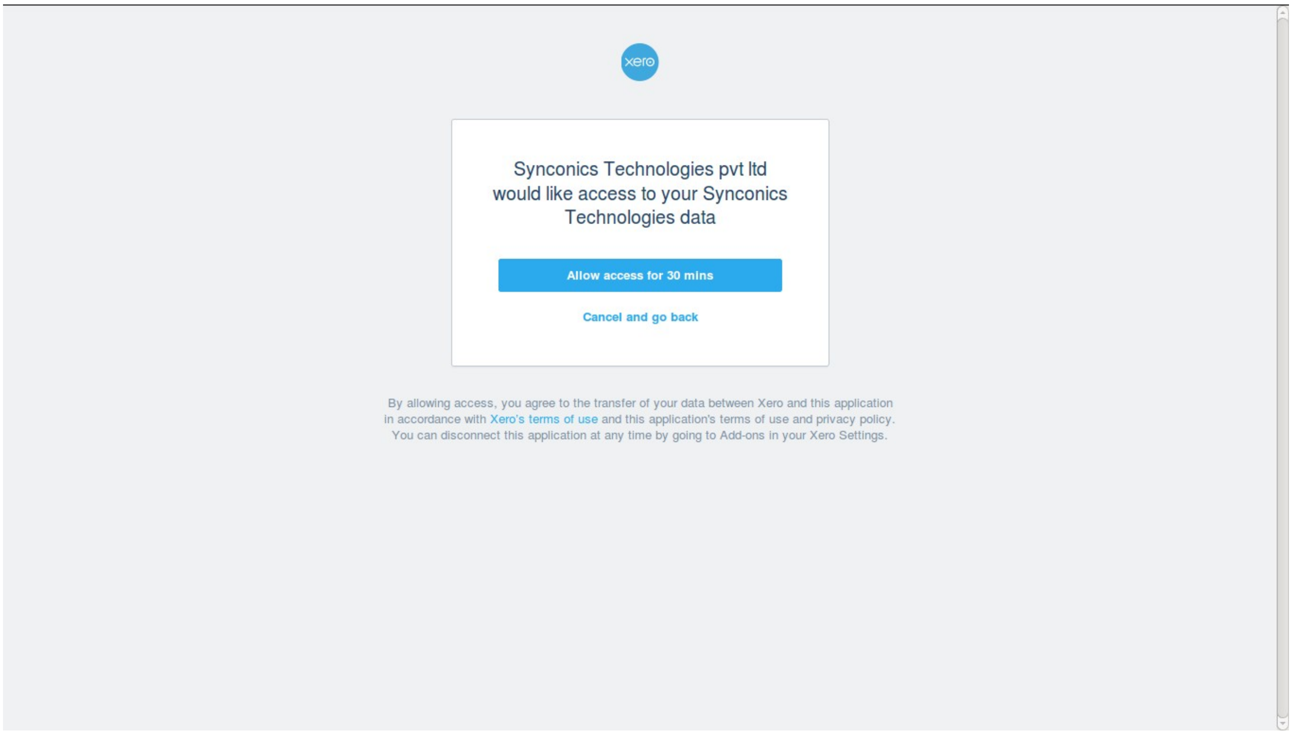
Public Account:
- Select account type as public.
- Consumer Key and Secret (which are copied from Xero application) are to be input as in screen below.



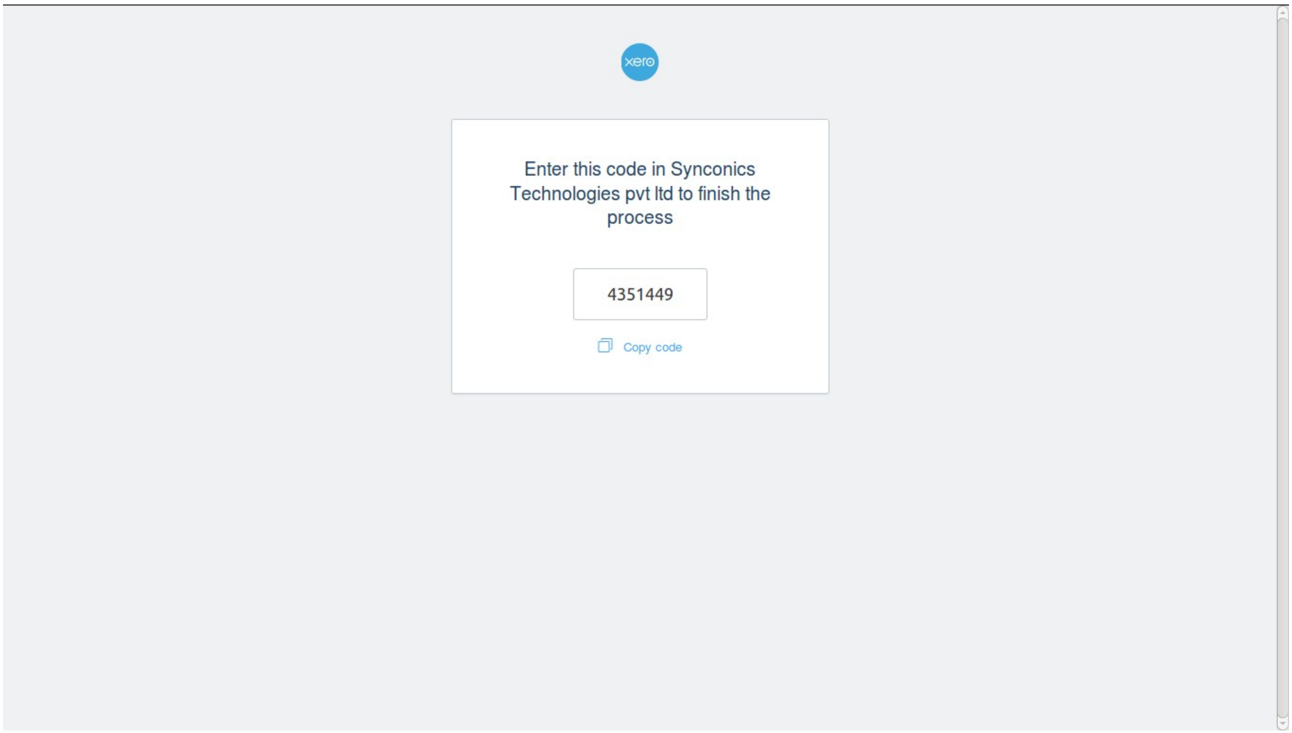
Click on ‘Generate URL‘ button to generate Xero authorization URL



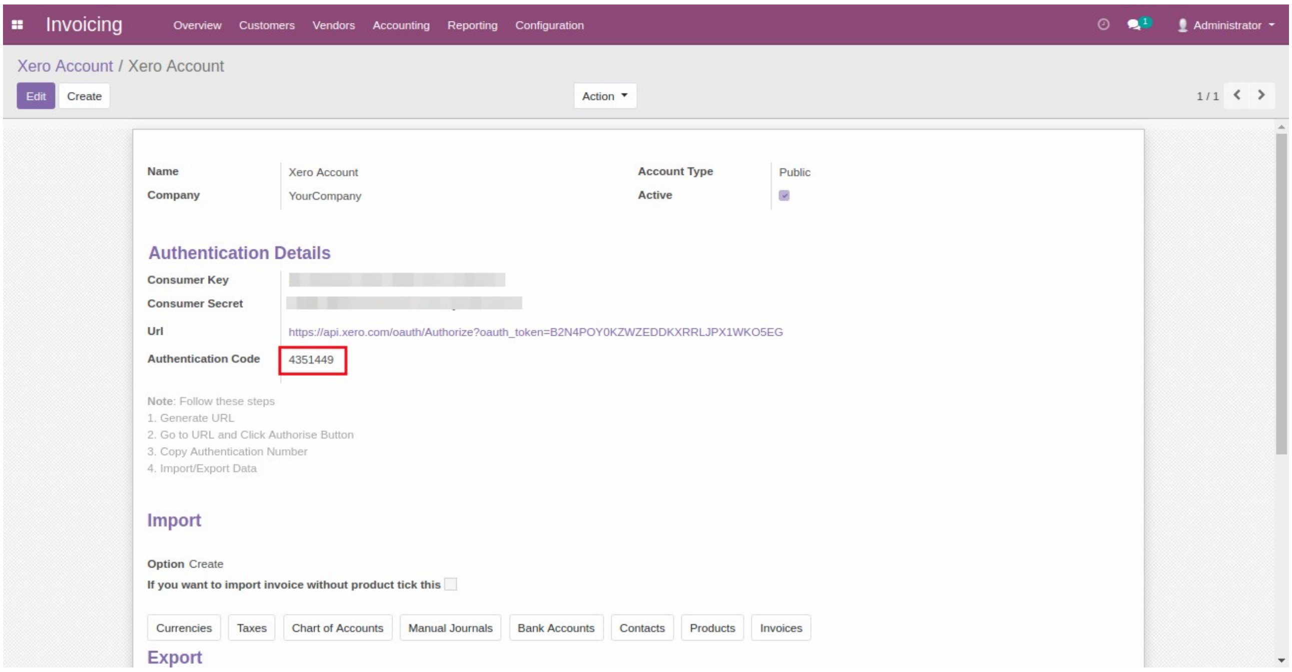
Click on URL and it will redirect you on Xero authorization page



Where by allowing access, you can get an Authentication Code

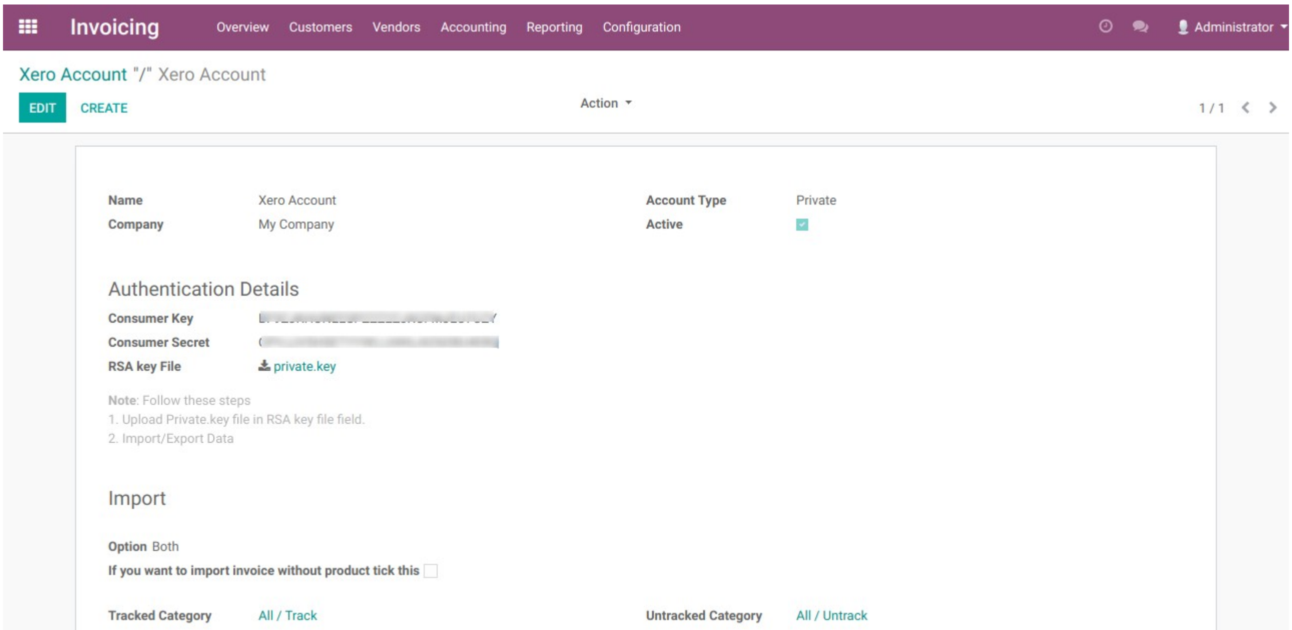


Copy that generated Authentication Code and paste it in 'Authentication Code' field on Xero Account form in Odoo



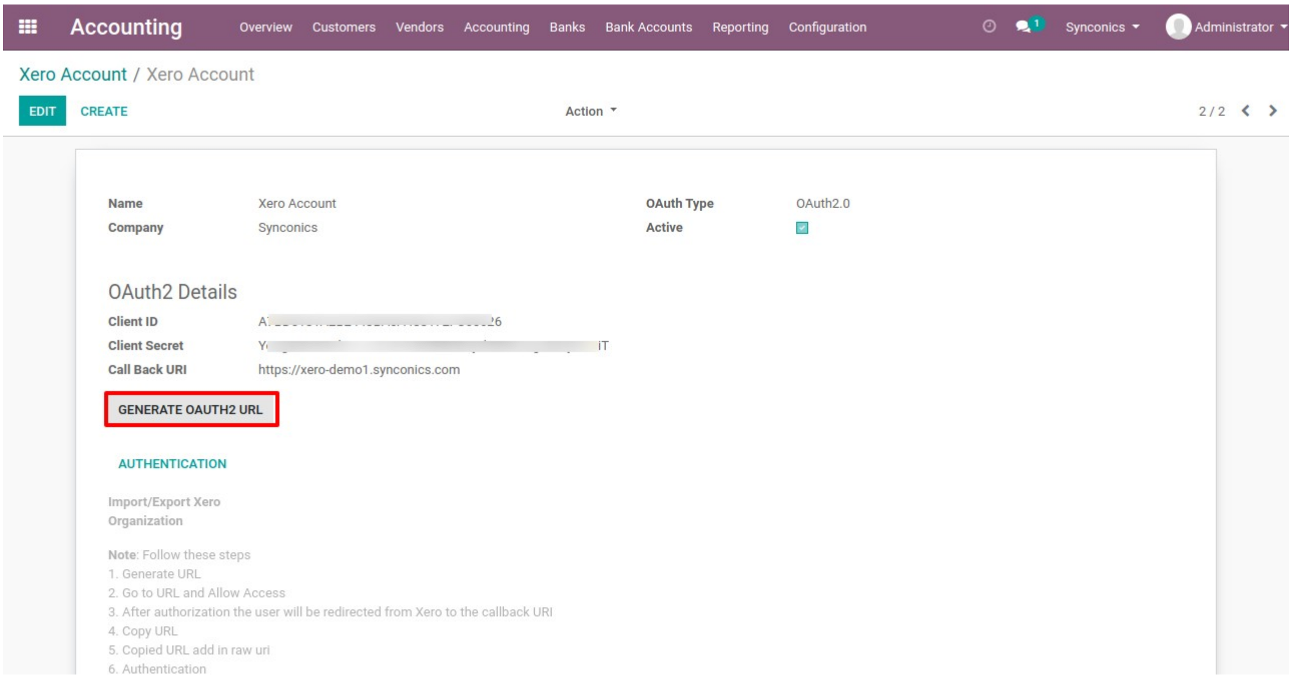
Private Account:

- Select account type as private.
- Consumer Key and Secret (which are copied from Xero application) are to be input as in screen below.
- Upload private.key file in RSA key File Field.

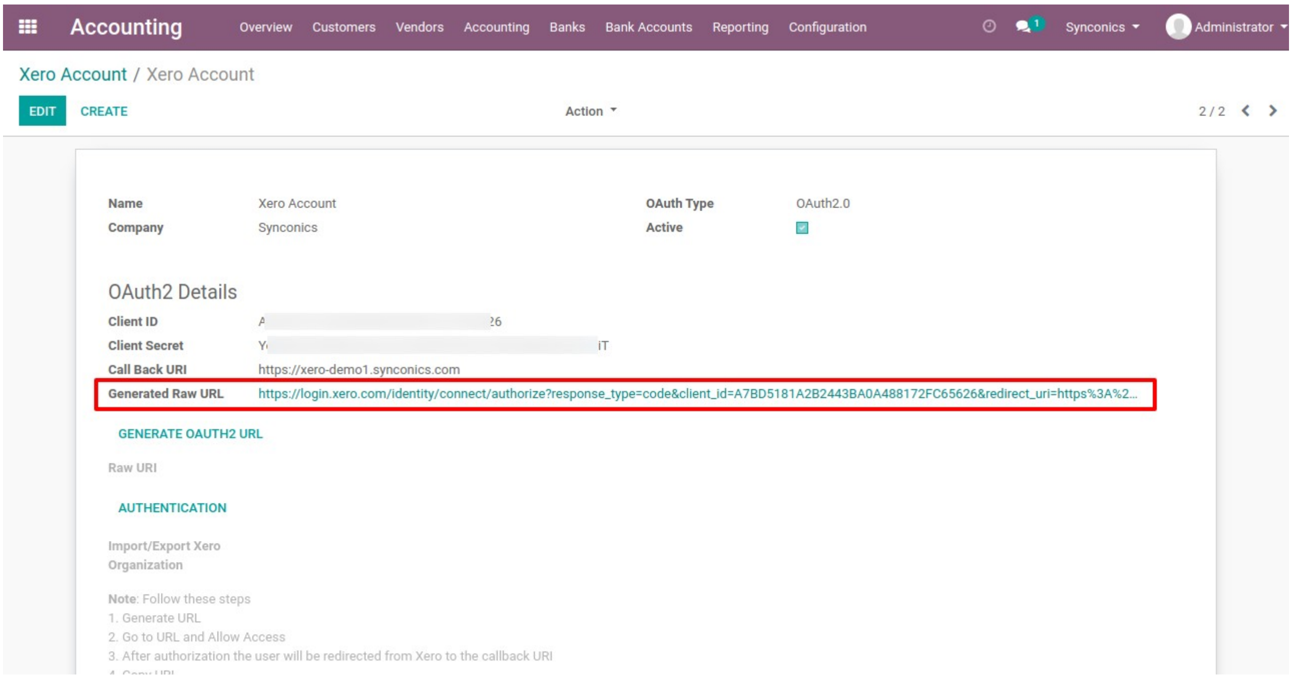


2.2 OAuth Type = 2.0

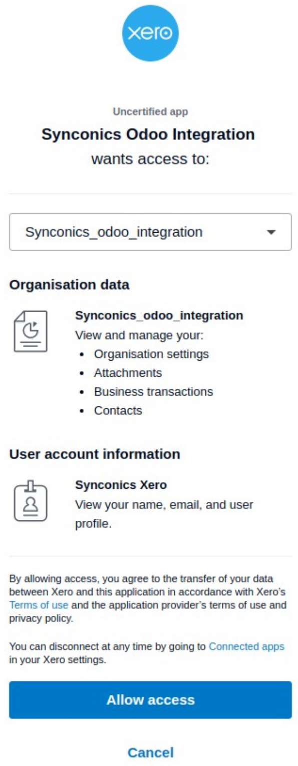
- Select OAuth type as OAuth2.0
- Client ID, Client Secret and Call Back URI (which are copied from Xero application) are to be input as described here in this screenshot.



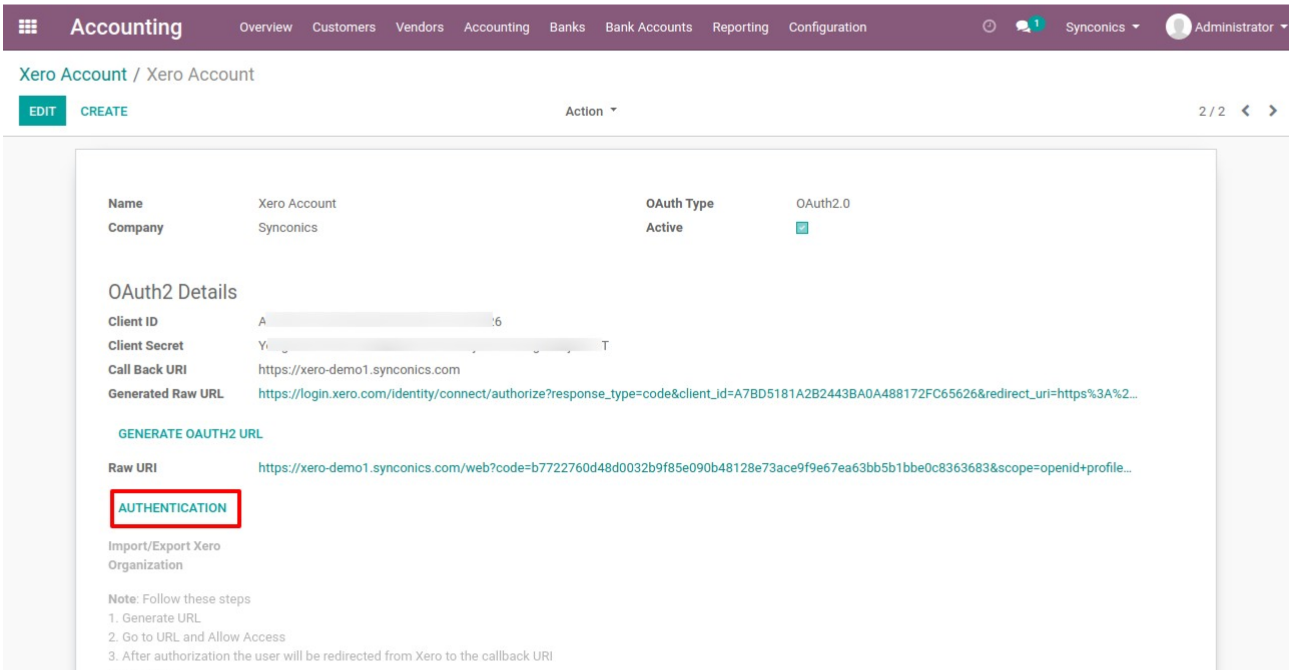
Click on ‘Generate OAuth2 URL‘ button to generate Xero Authorization URL



Click on URL and it will redirect you on Xero Authorization page

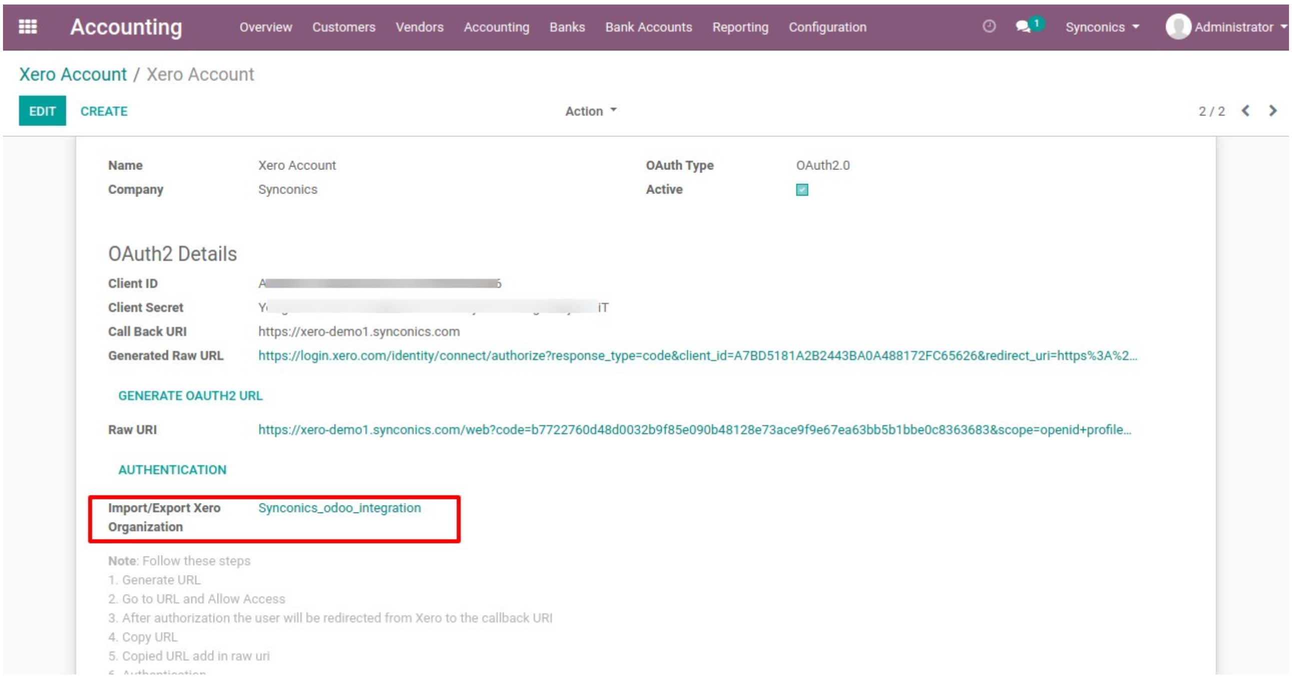


Where by allowing access, you can get URL
Copy that generated URL and paste it in 'Raw URI' field on Xero Account configuration in Odoo.



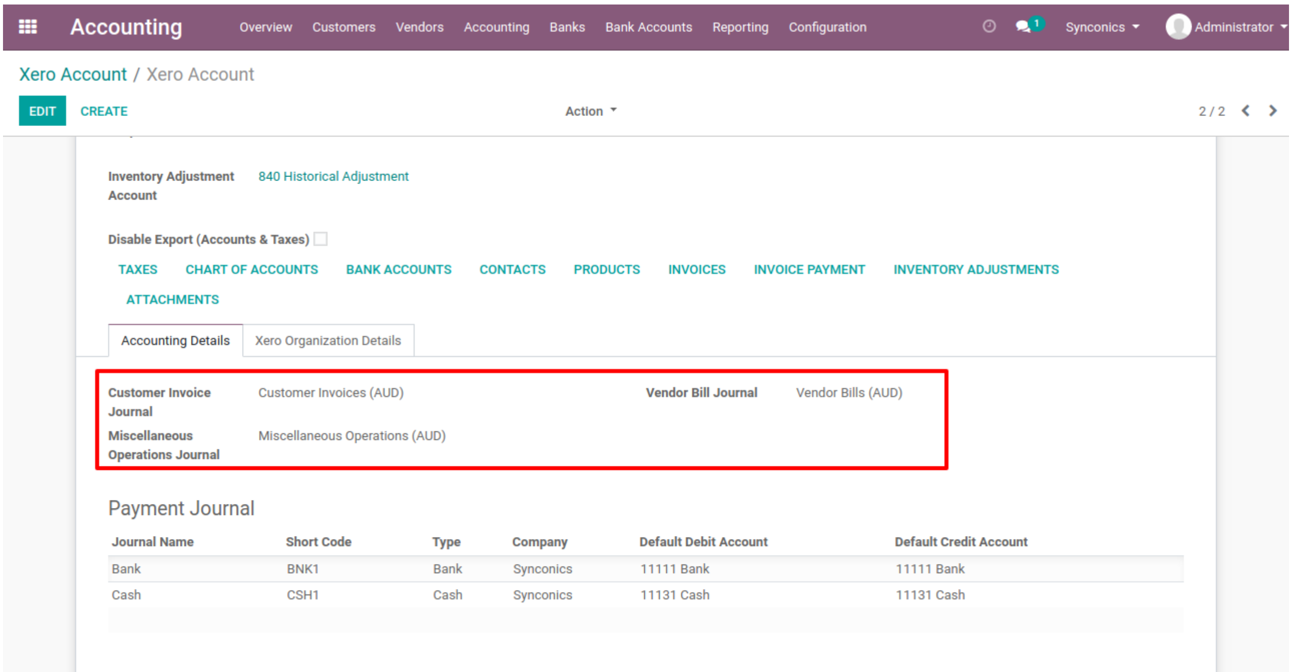
Click on ‘AUTHENTICATION‘ button to Authenticate your Account and select Import/Export Xero Organization for Import/Export Operations.

Note – You have to click on ‘AUTHENTICATION’ button only one time.

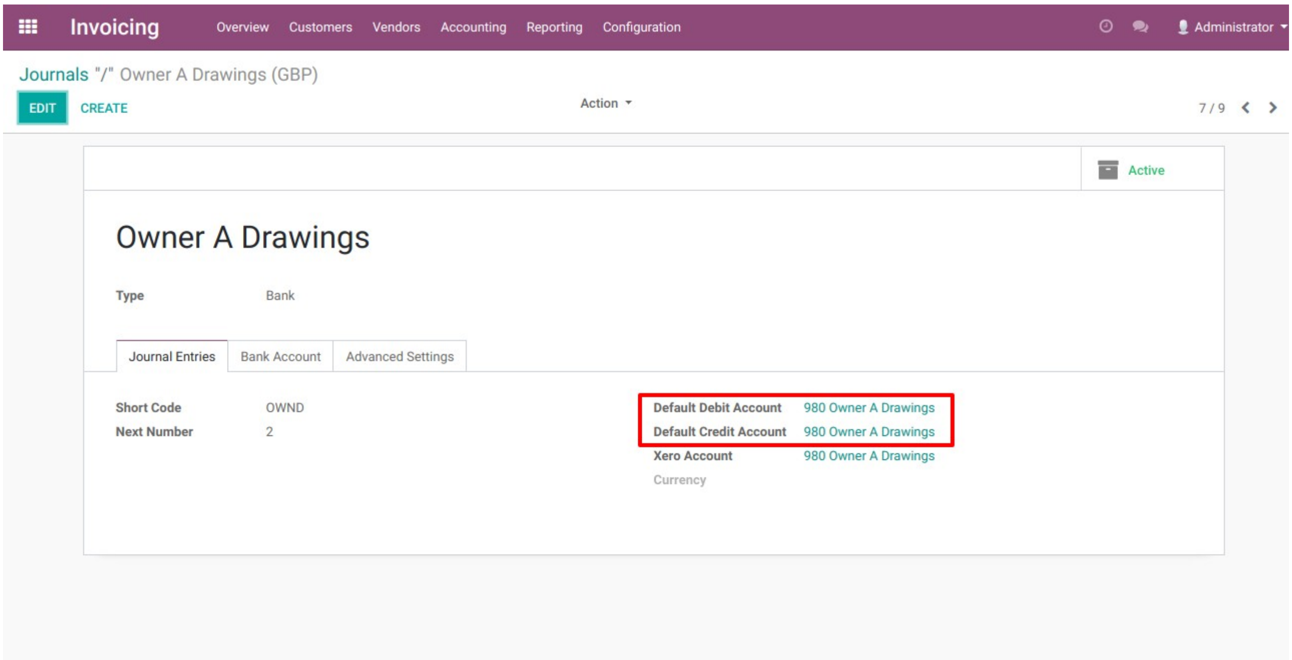


Accounting Details:

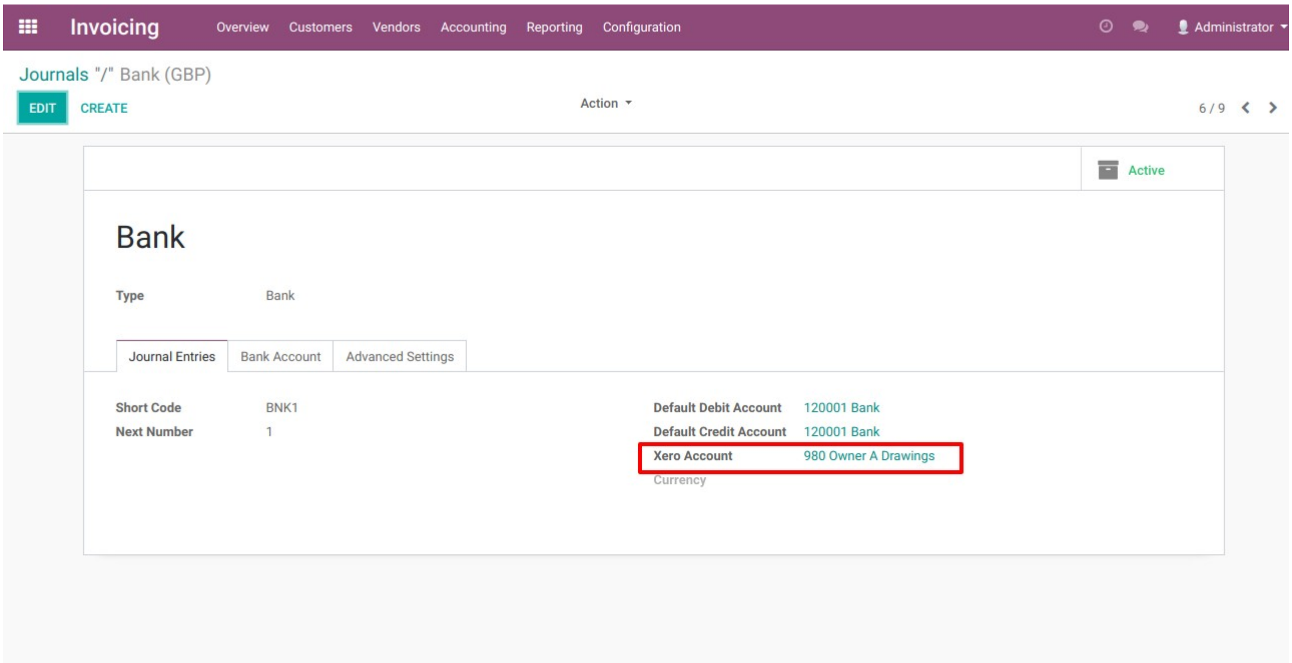
- Customer Invoice Journal will be used when user imports Invoice from Xero to Odoo.
- Vendor Bill Journal will be use when user imports Vendor Bills from Xero to Odoo.
- Miscellaneous Operations Journal will be use when user imports Manual Journal entries from Xero to Odoo.



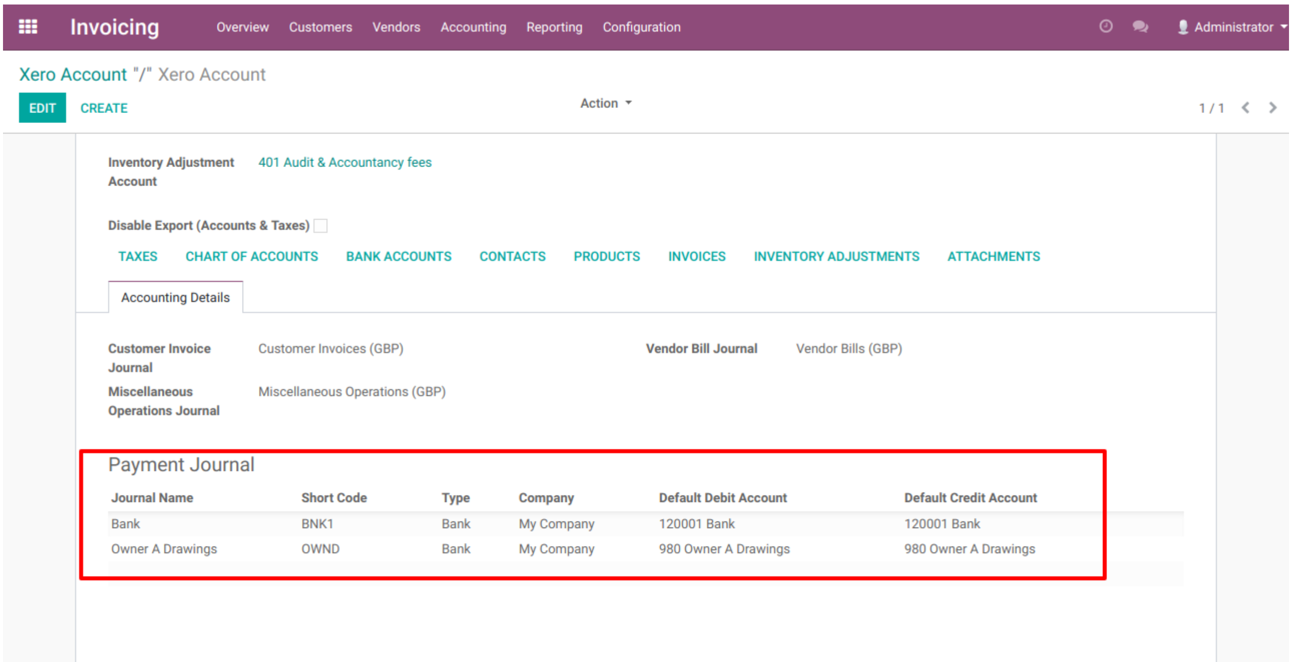
- In Odoo we need to create Journals for Accounts (set default Debit and Credit Account which you used for payments on Xero side) which you used for payments in Xero.



- You need to configure Xero Accounts on Odoo Accounting Journals (Journals which is used for payments in Odoo).



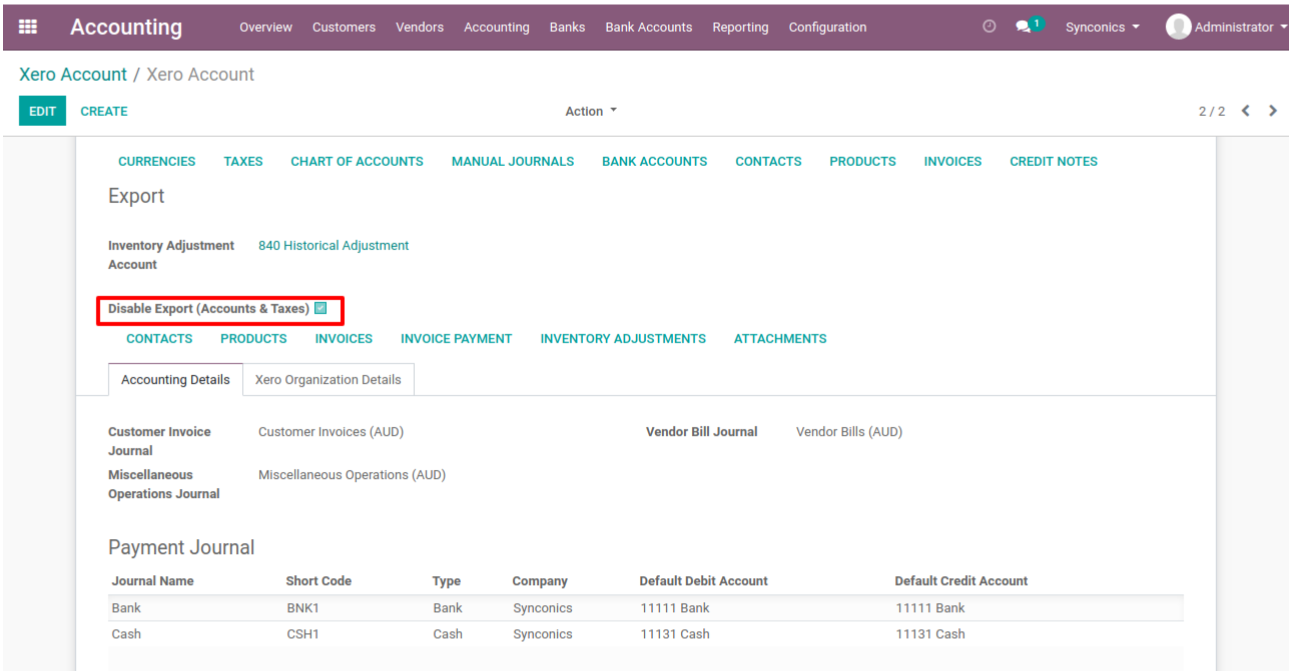
- On Setting page need to select all Journals which is used for Odoo as well as Xero.



Disable Export (Accounts & Taxes):

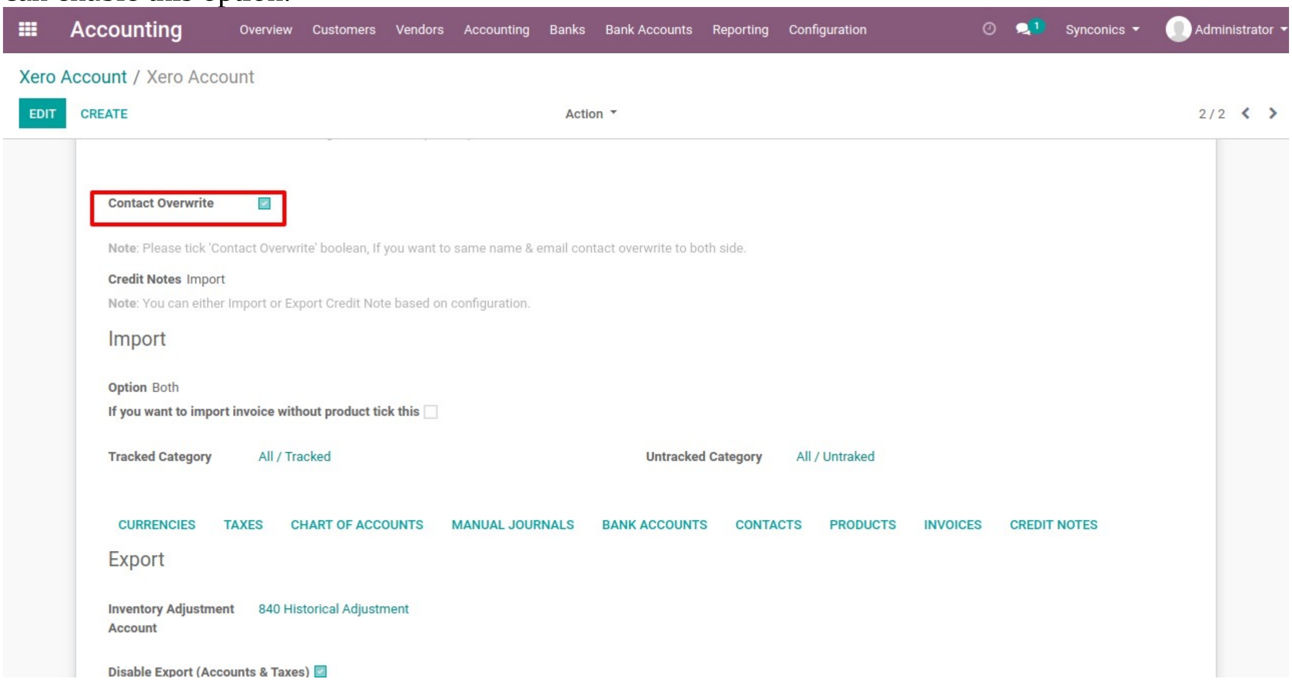
- If user doesn't want to export Odoo Charts of accounts, Taxes and Bank Accounts to Xero then user can enable this option.

Note: Make sure in the system you have configured/used Xero Chart of Accounts and taxes (Imported from Xero) instead of Chart of Accounts and taxes.



Contact overwrite:

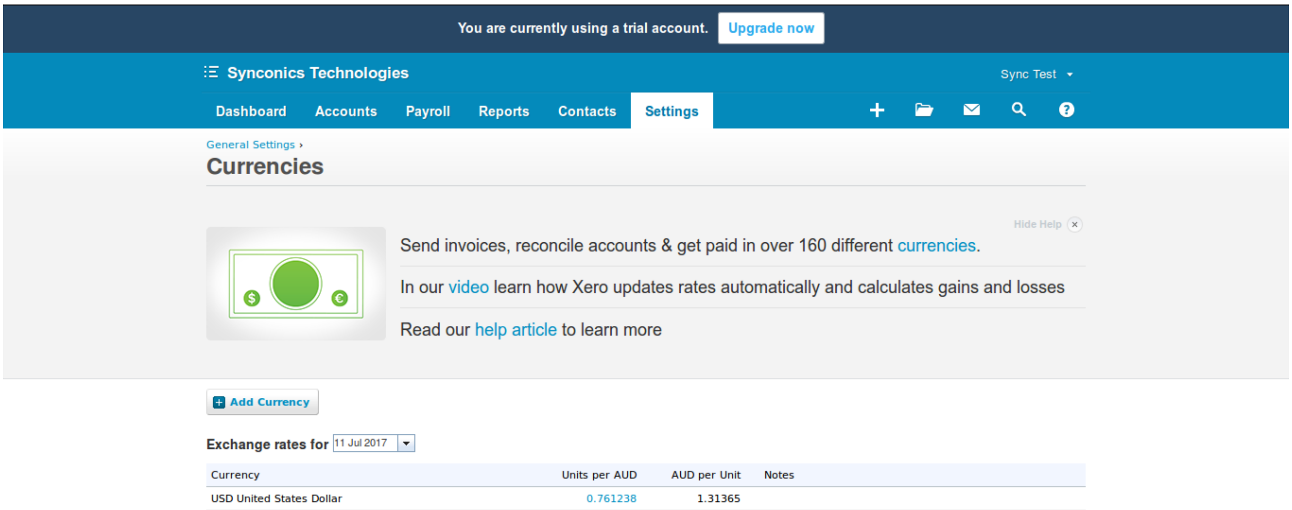
- If user want to Same name & Email are same that time contact is overwrite both side then user can enable this option.



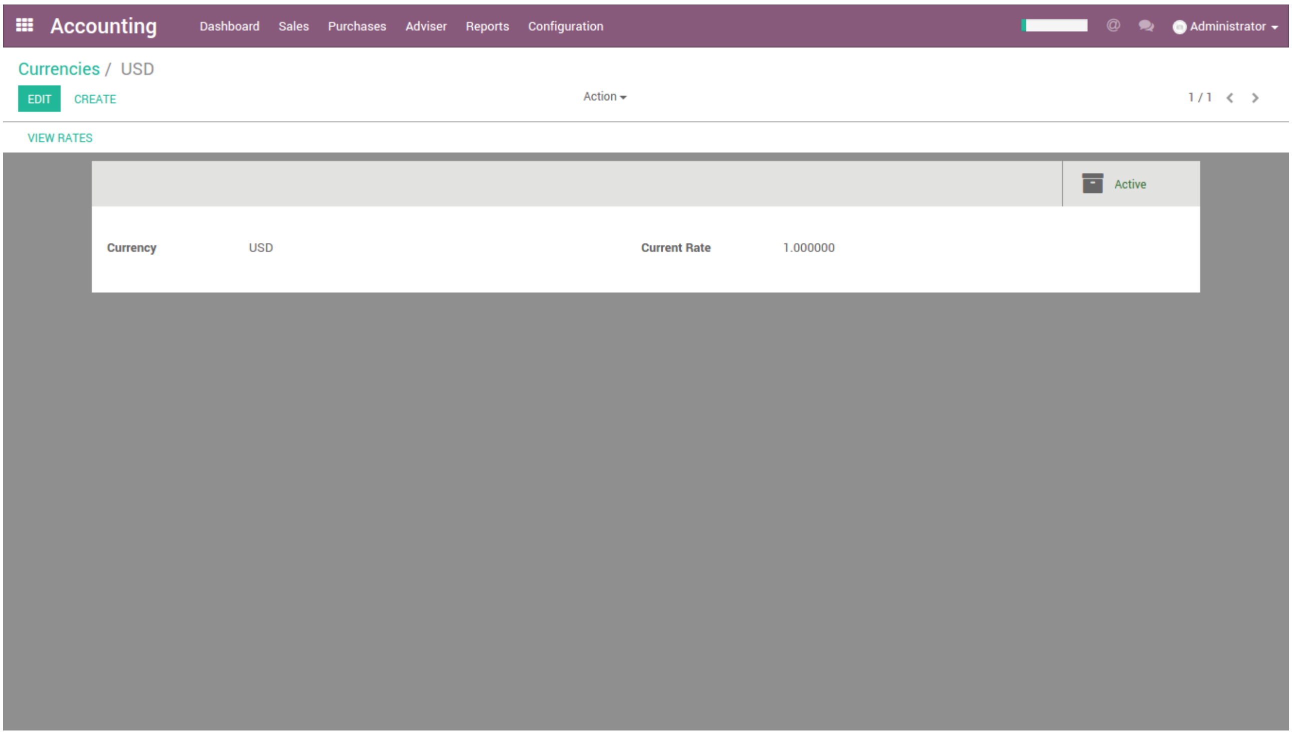
3 Import (Xero to Odoo):

3.1 Currencies : All Currency from Xero will be imported to Odoo.

Xero: Settings → General Settings → Currencies

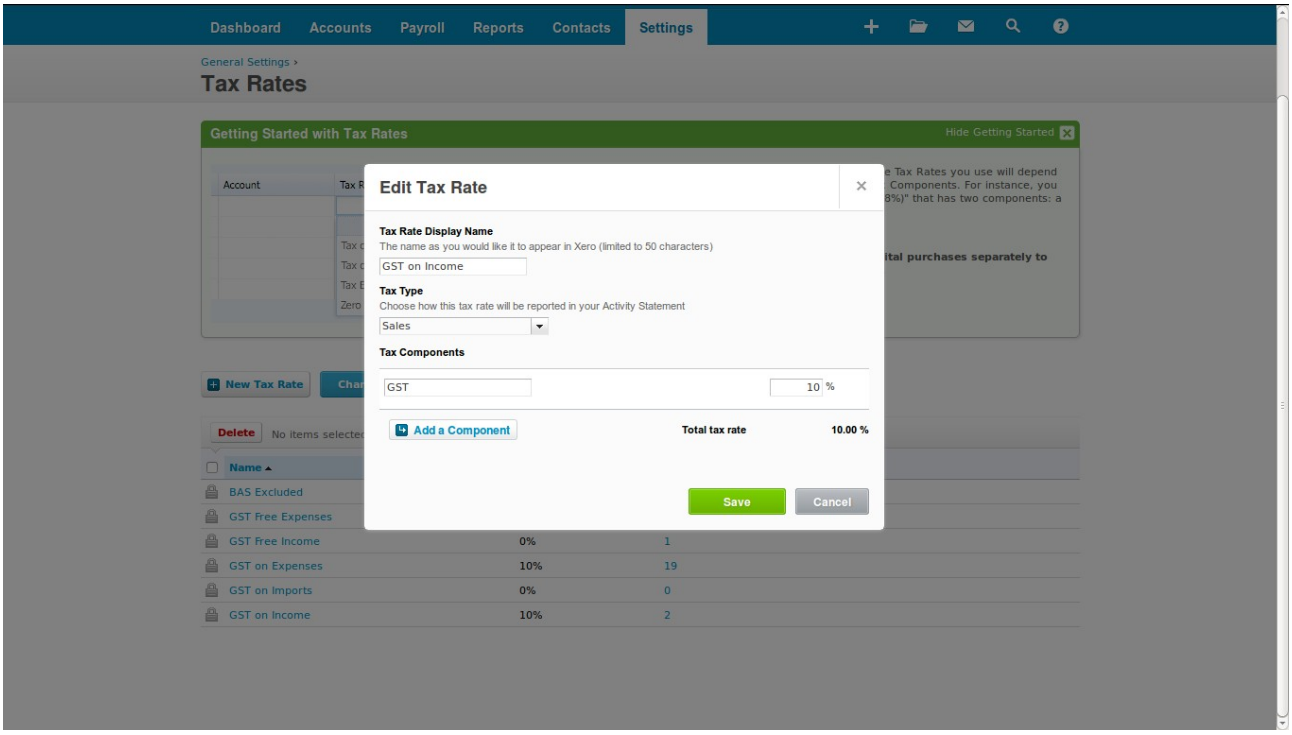


Odoo : Accounting → Configuration → Multi–Currencies → Currencies

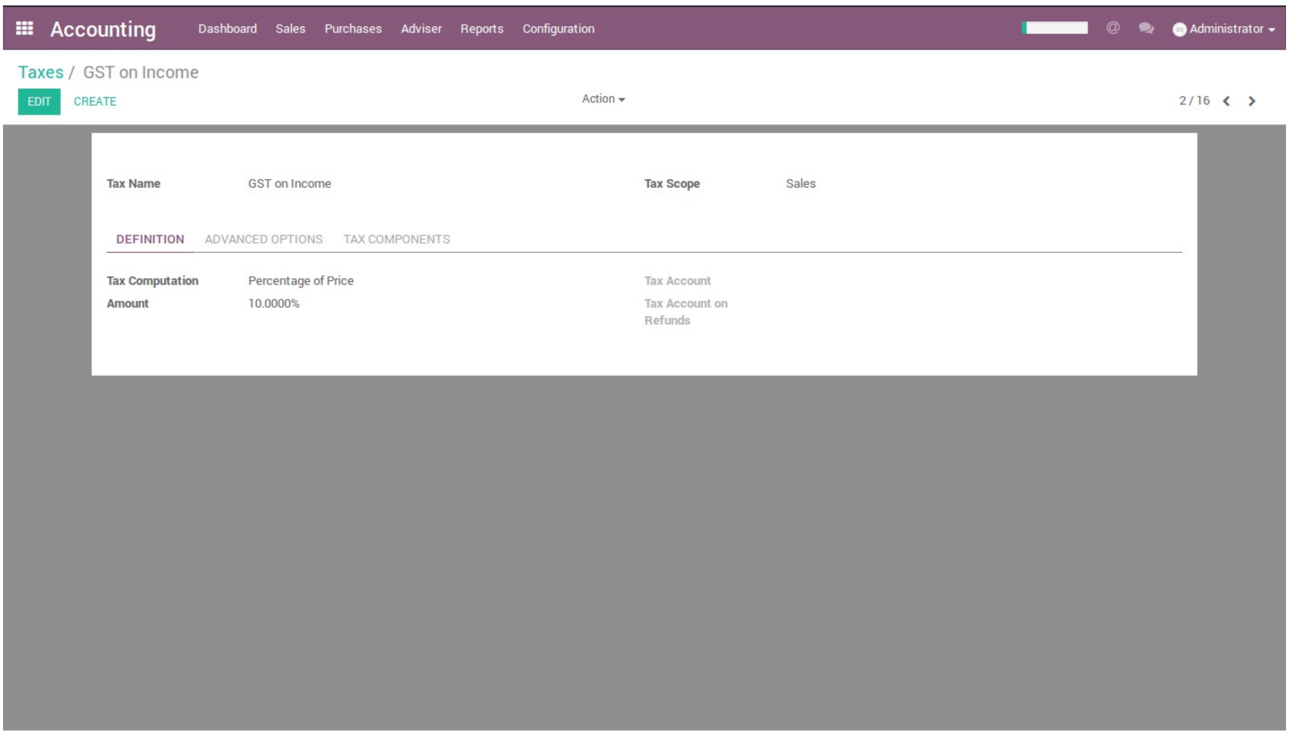


3.2 Taxes: All Taxes with their components will be imported from Xero to Odoo at the time of Creation and Updation at Xero side.

Xero: Settings → General Settings → Tax Rates

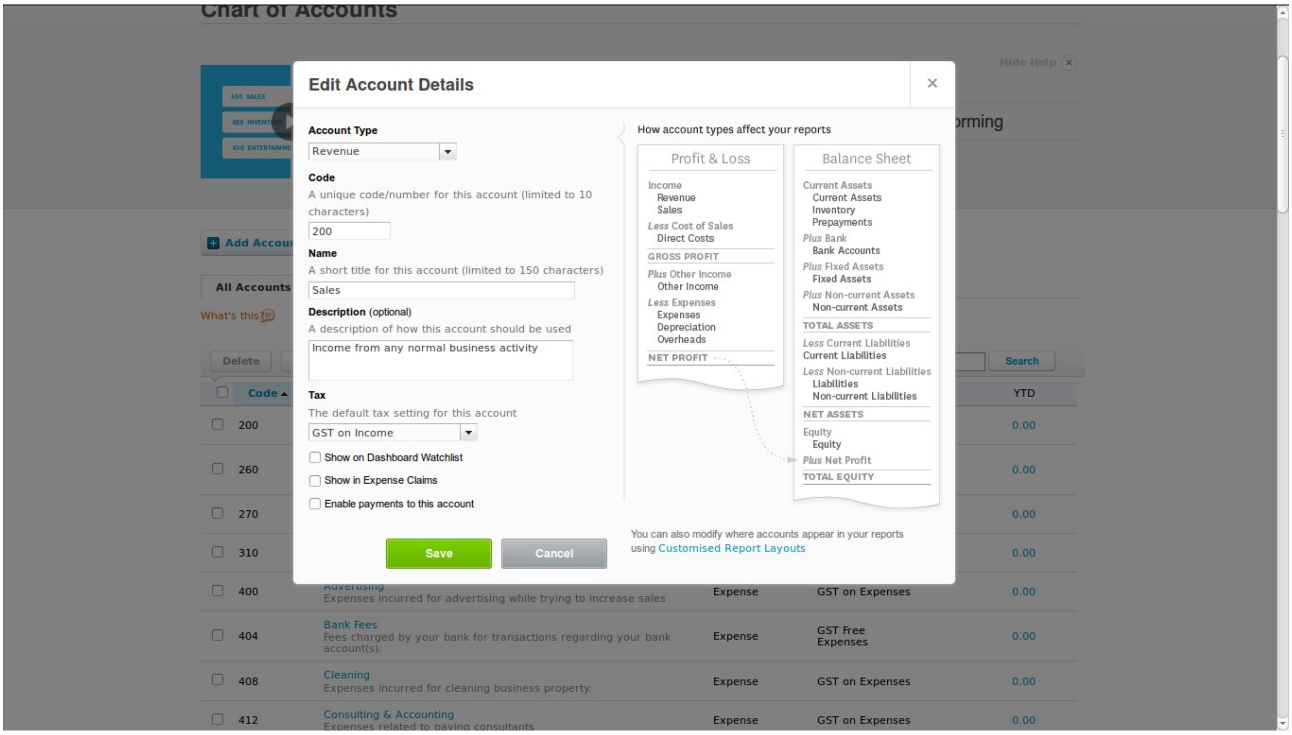


Odoo: Accounting → Configuration → Accounting → Taxes

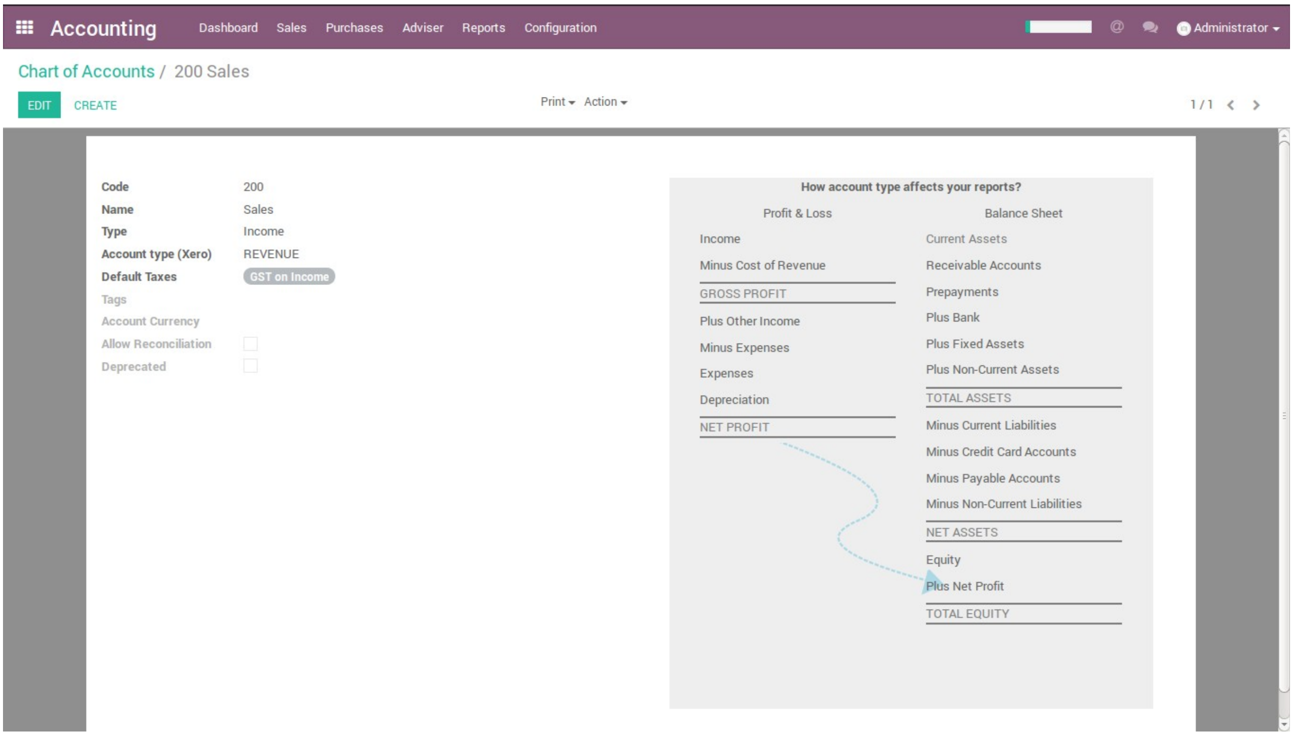


3.3 Chart of Accounts: All types of Charts of Accounts will be imported from Xero to Odoo at the time of creation and updation at Xero side.

Xero: Settings -> Chart of Accounts

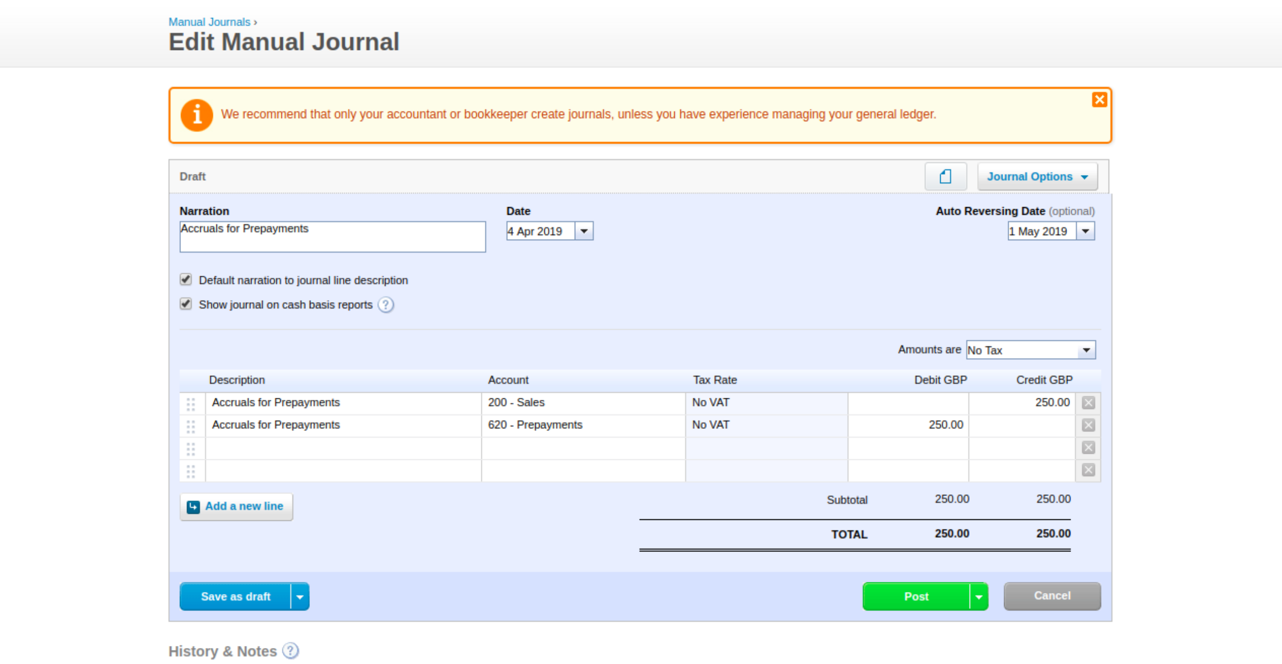


Odoo: Accounting → Adviser → Chart of Accounts

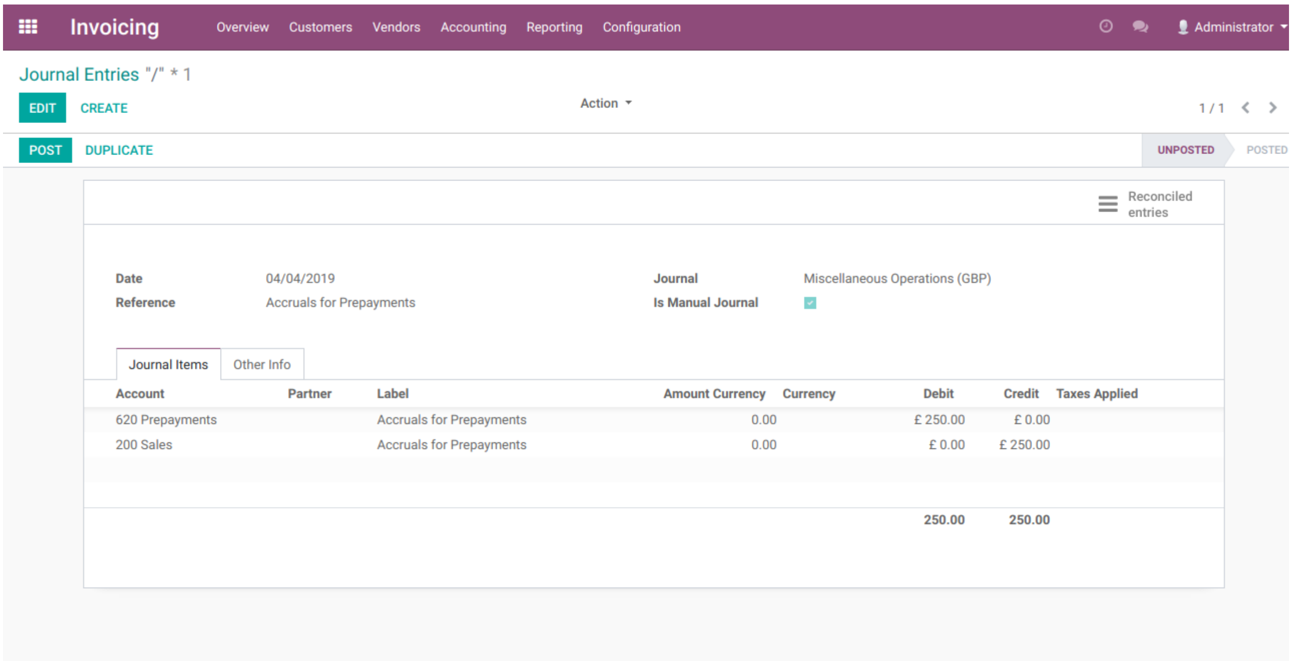


3.4 Manual Journals : Manual Journals are generally used for recording Credits and Debits of unique transactions which cannot be recorded directly.
Here all kinds of Manual Journals will be imported from Xero to Odoo.

Xero: Reports → All reports → Journal Report → Manual Journal.

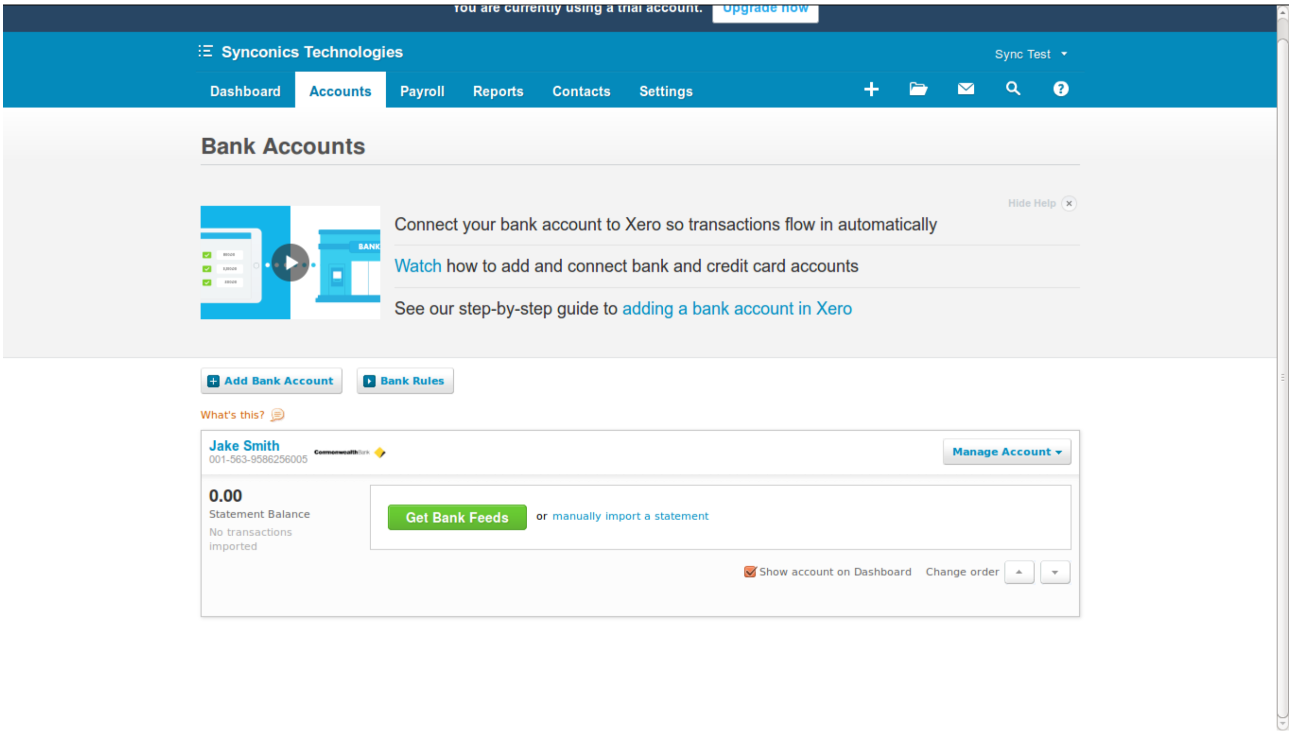


Odoo: Invoicing → Accounting → Accounting Entries → Journal Entries.



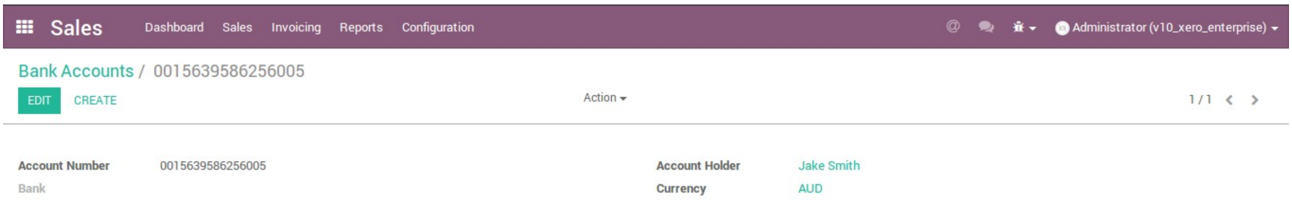
3.5 Bank Accounts: All kinds of Bank Accounts will be imported from Xero to Odoo.

Xero: Accounts → Bank Accounts



Note: Install Contact Application at Odoo side to see below menu

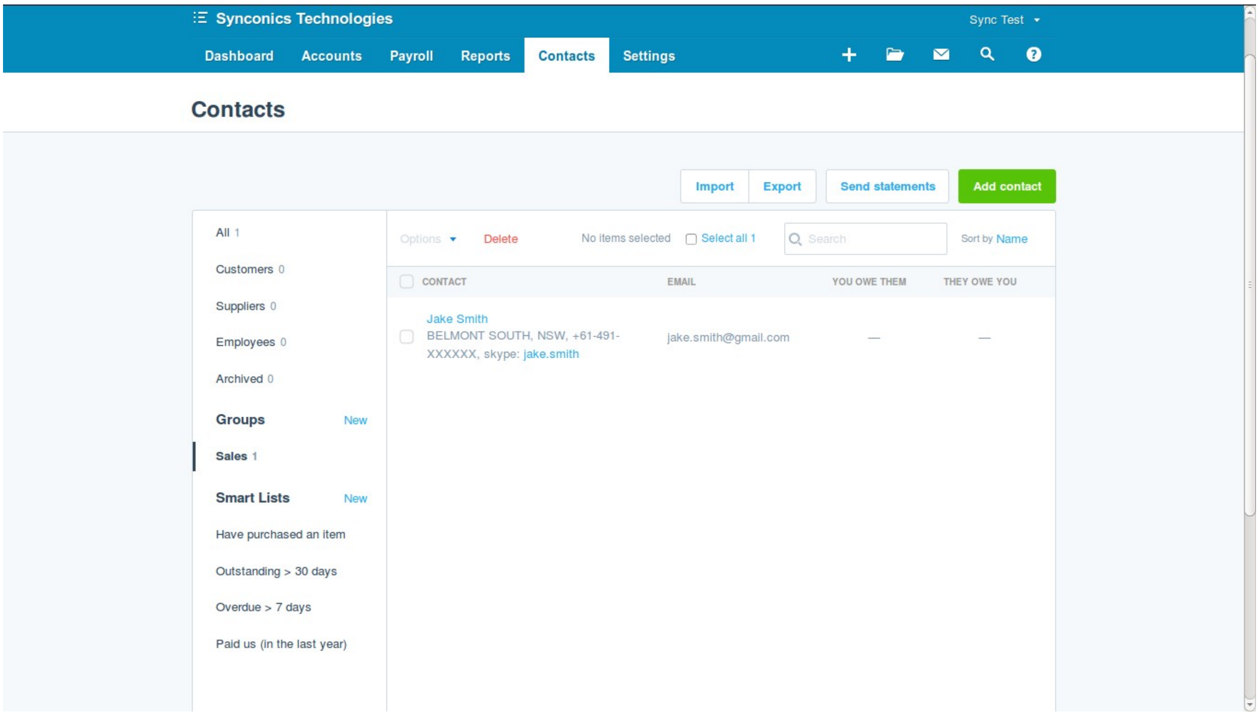
Odoo: Contacts → Configuration → Bank Accounts → Bank Accounts



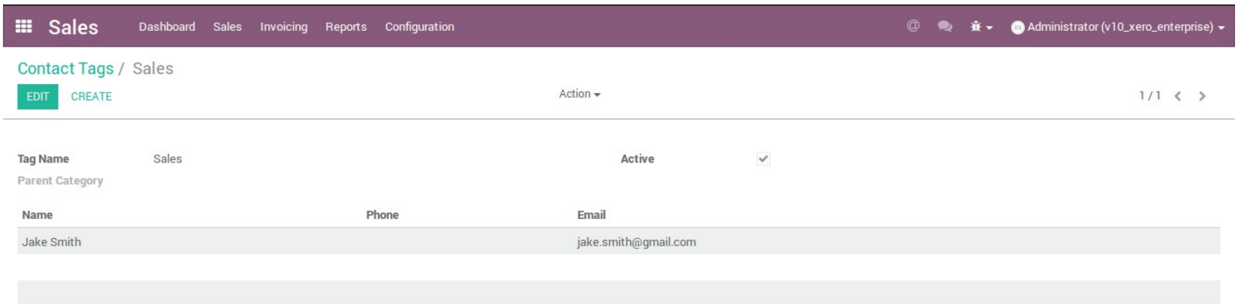
3.6 Contact Groups : Entire Contact Groups will be imported from Xero to Odoo.

Note: *Contact Groups are also get imported automatically when you import Contacts or Contact Groups.*

Xero: Contacts → All Contacts → Groups

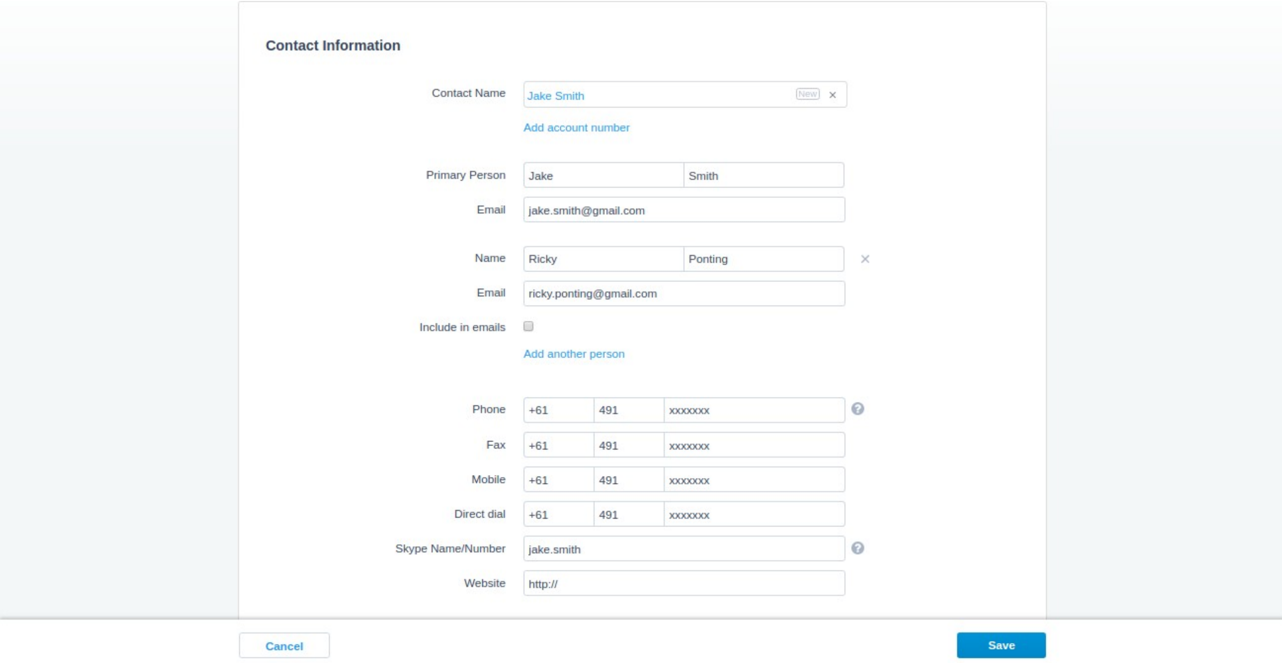


Odoo: Contacts → Configuration → Contact Tags

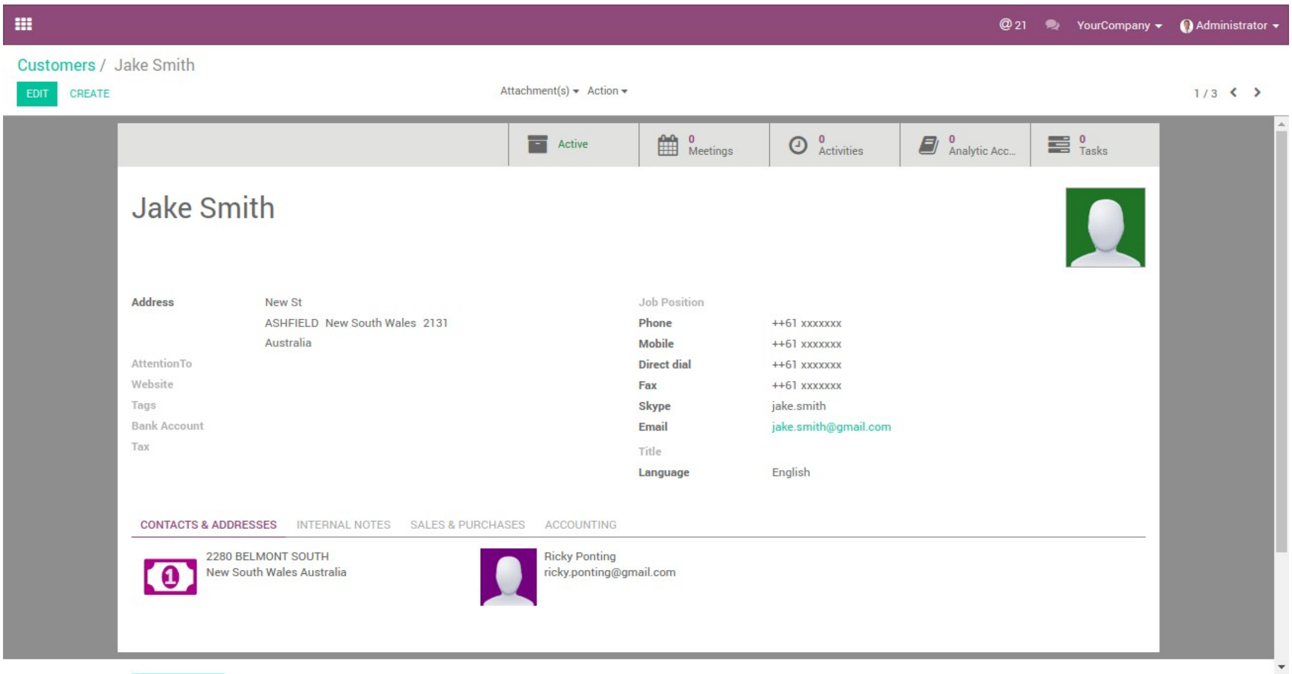


3.7 Contacts: All Contacts (Suppliers or Customers) will be imported from Xero to Odoo at the time of creation and updation at Xero side.

Xero: Contacts → All Contacts



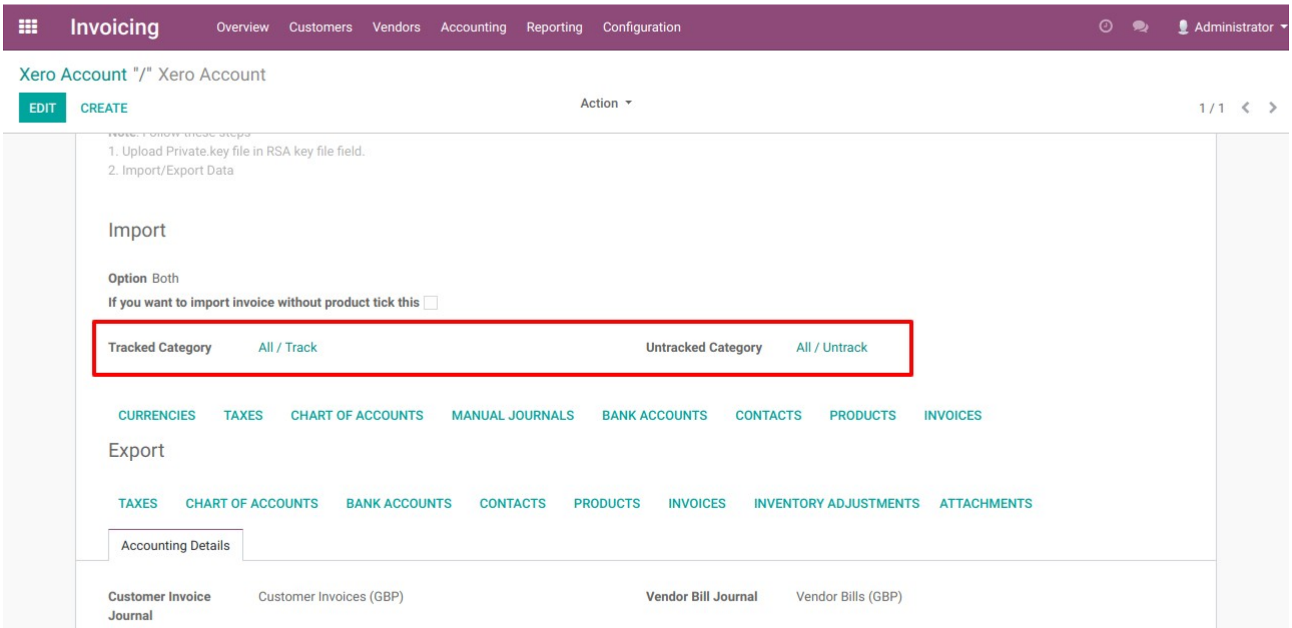
Odoo: Accounts → Sales → Customers



3.8 Products: Products with their Sale price, Cost price and Product Category(Track/Untrack) will be imported from Xero to Odoo at the time of creation and updation at Xero side.

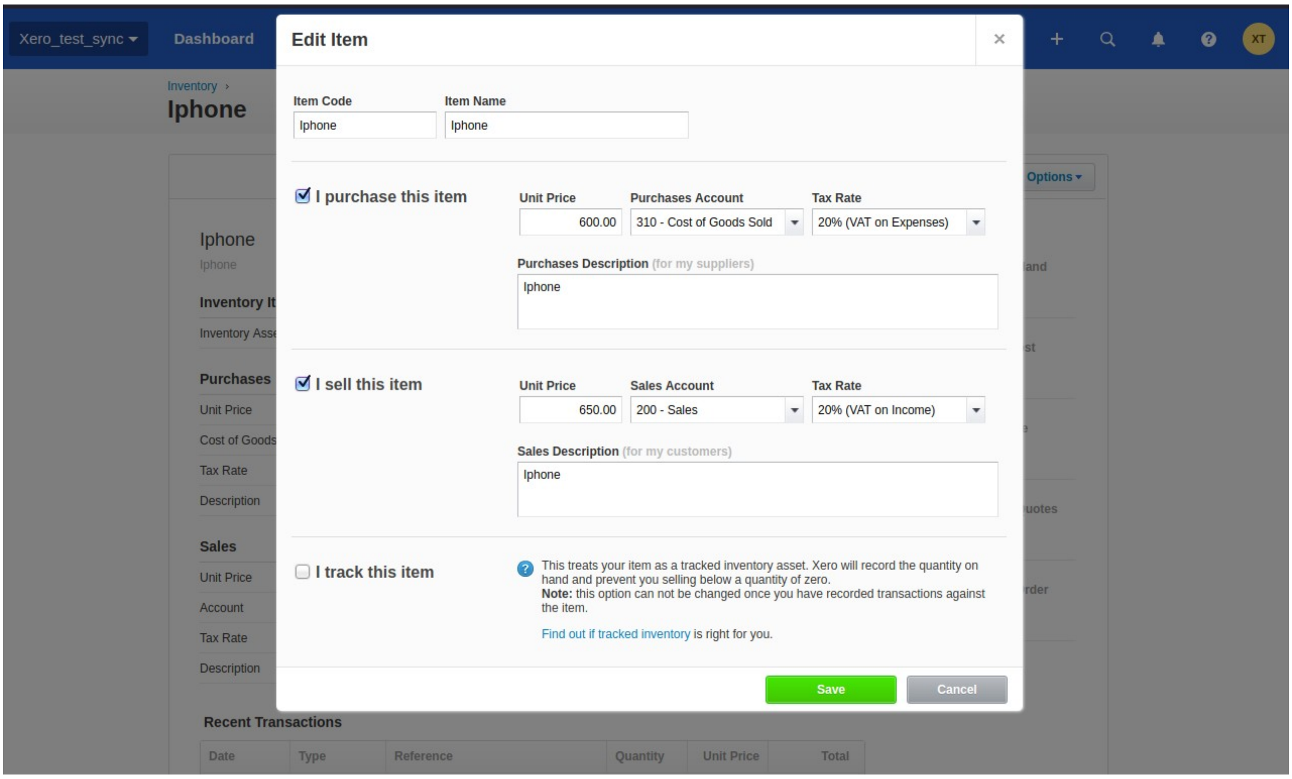
1 - **Track able Product Category** = Will be useful if we want to track and manage stock of products.
2 - **Untrackable Product Category** = Will be useful if we do not want to manage stock of products that is for consumable or service related products.

Odoo configuration: Configure Product Category like Tracked Category and Untracked Category. All tracked products of Xero will be set under the 'Tracked Category' and the rest of all will be set under 'Untracked Category'.

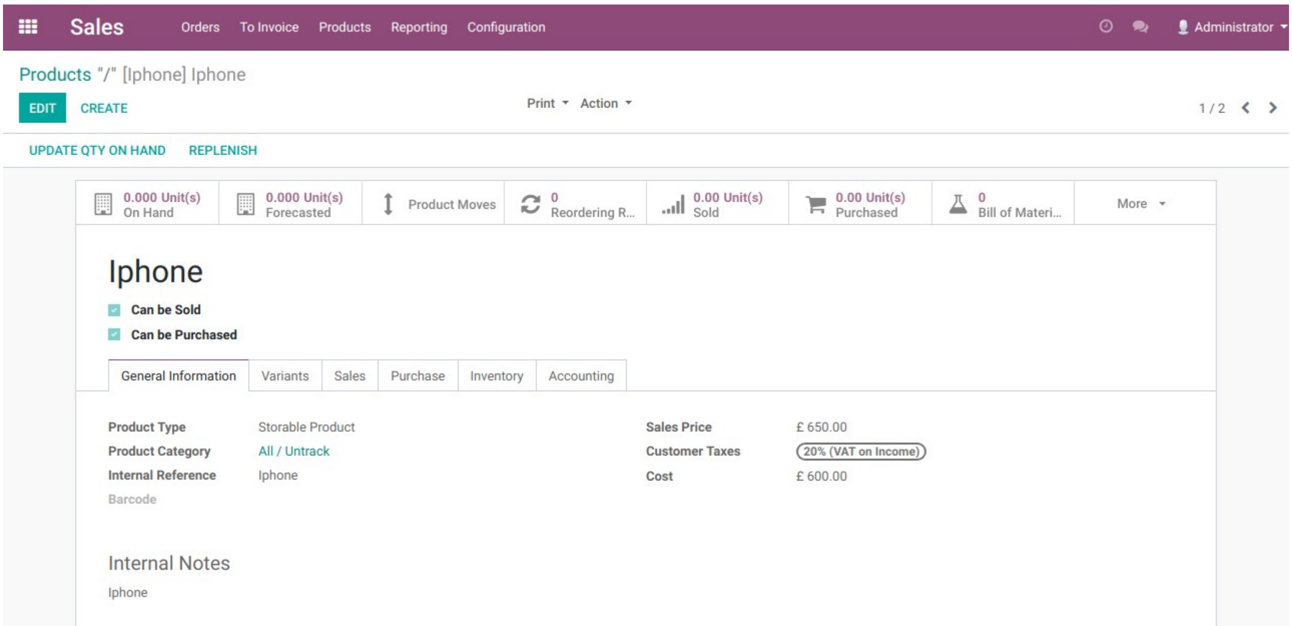


3.8.1 Untracked Products:

Xero: Accounts → Inventory

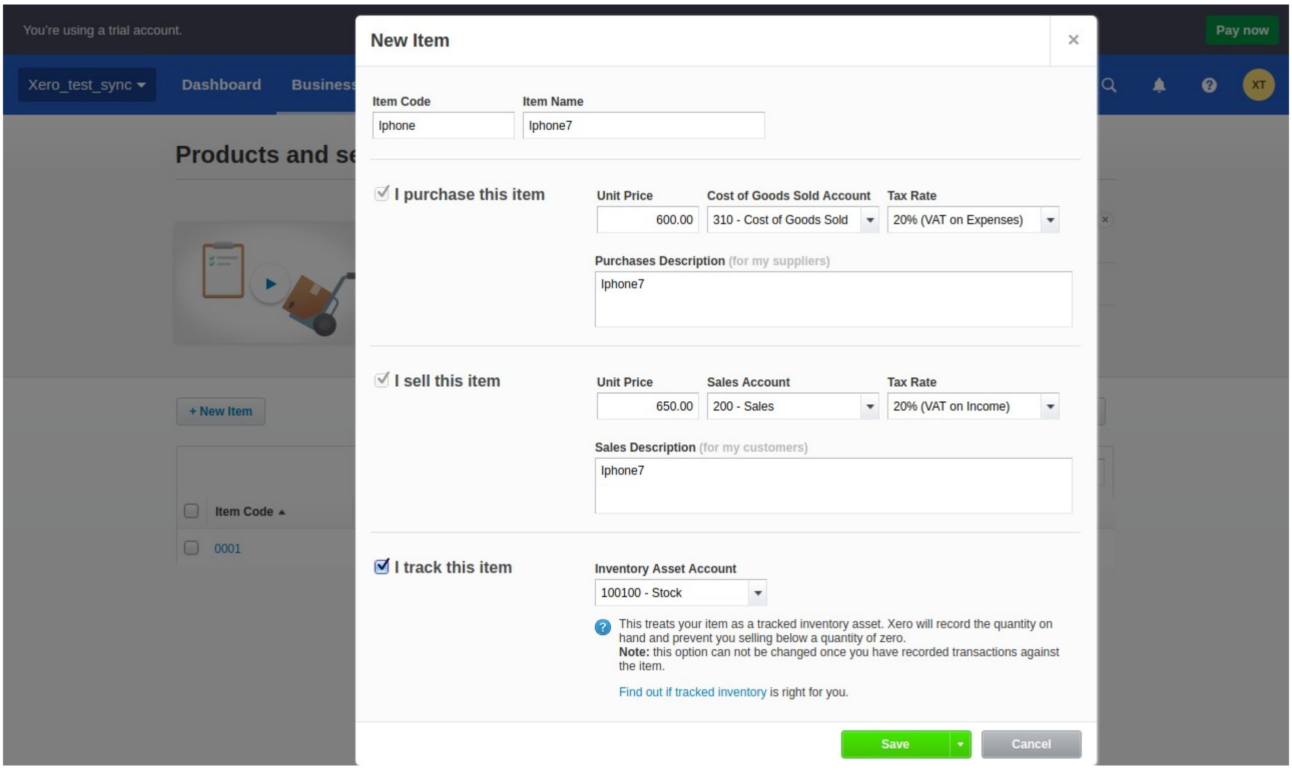


Odoo: Sales → Sales → Products

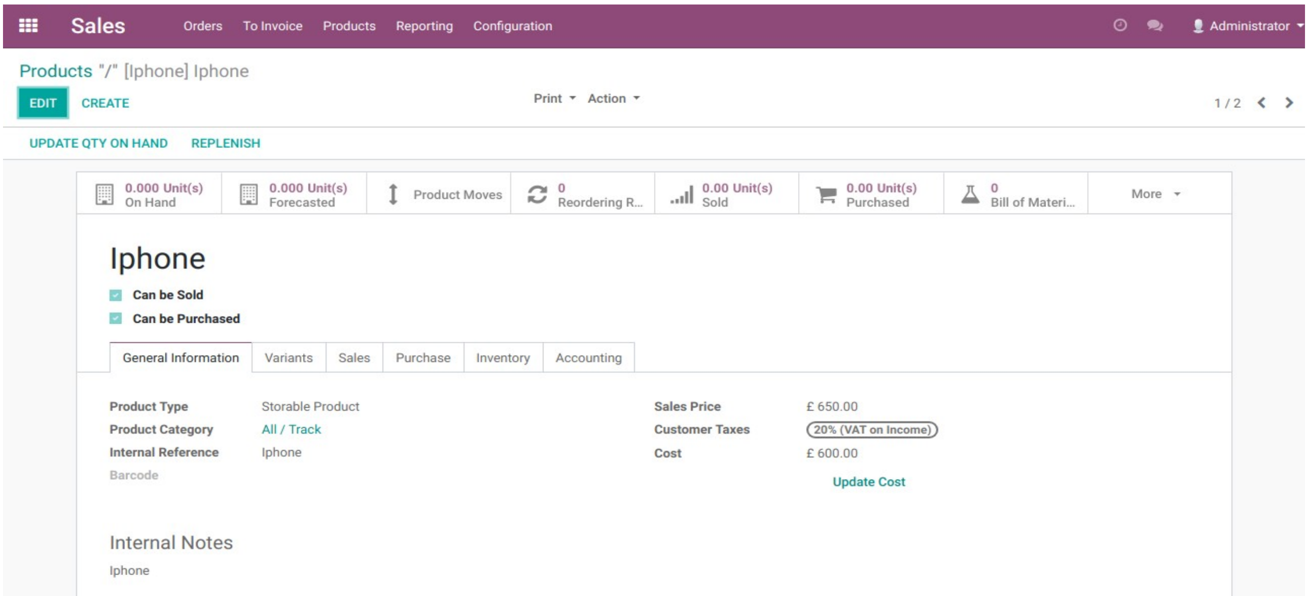


3.8.2 Tracked Products:

Xero: Accounts → Inventory

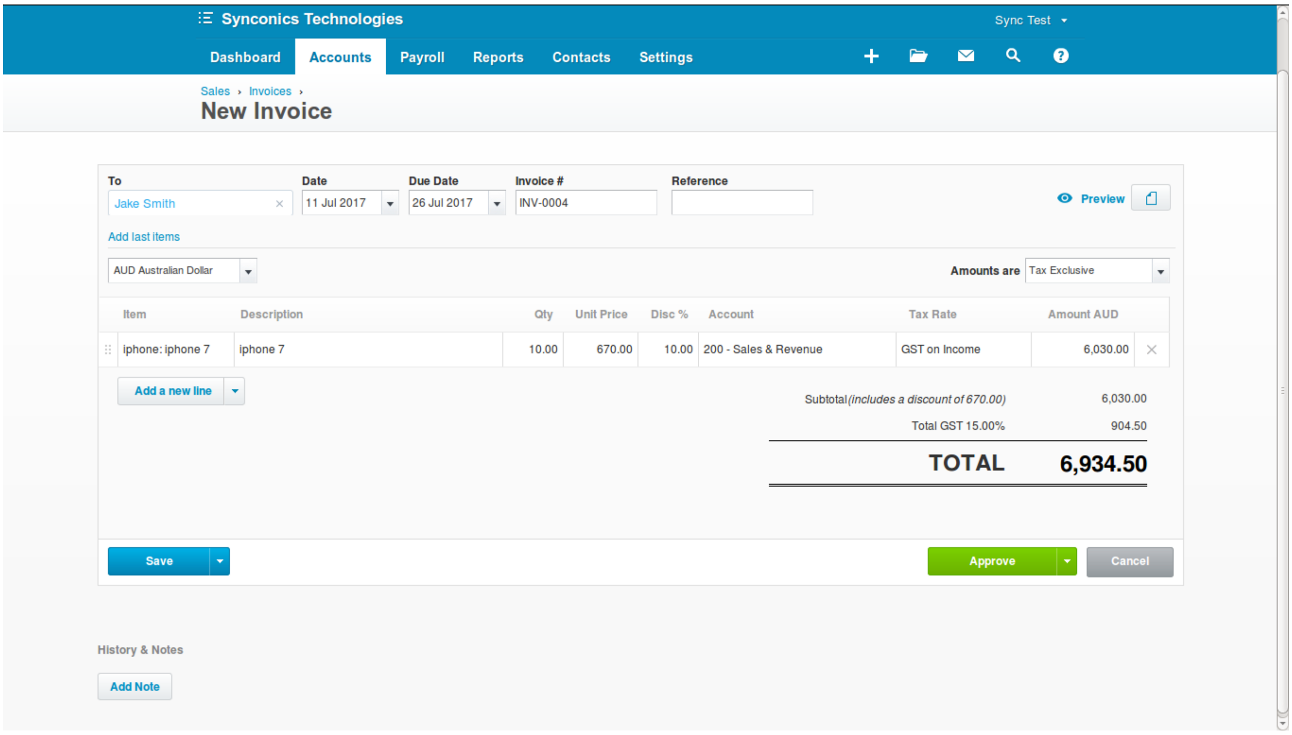


Odoo: Sales → Sales → Products

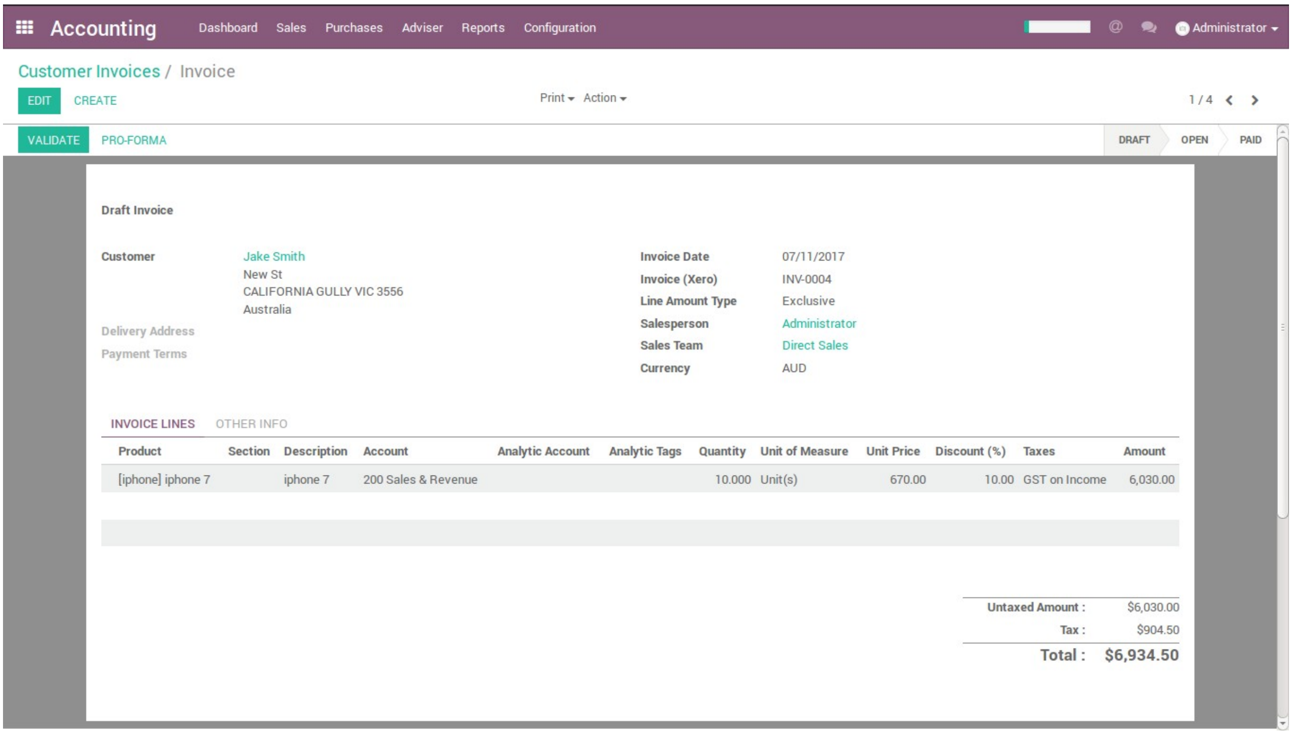


3.9 Invoices: Customer and Supplier Invoices with Taxes will be imported from Xero to Odoo.

Xero: Accounts → Sales → Invoices

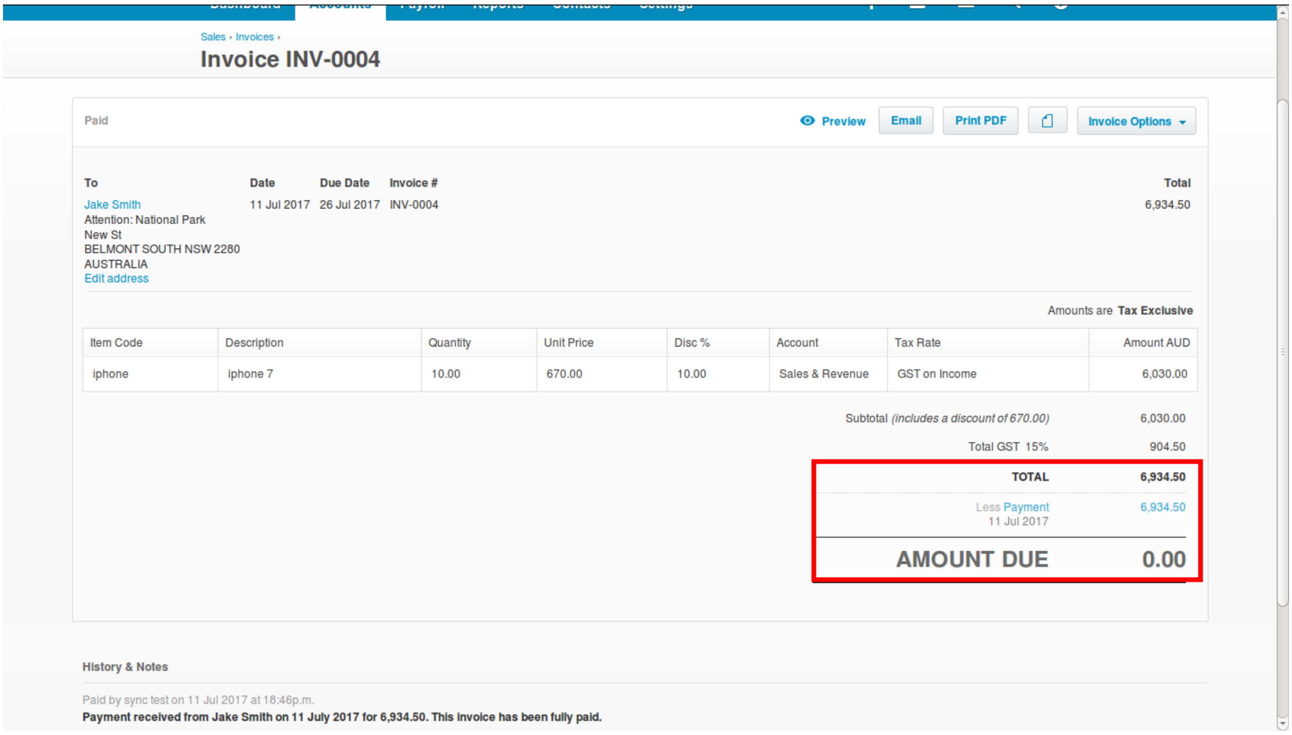


Odoo: Accounting → Sales → Customer Invoices

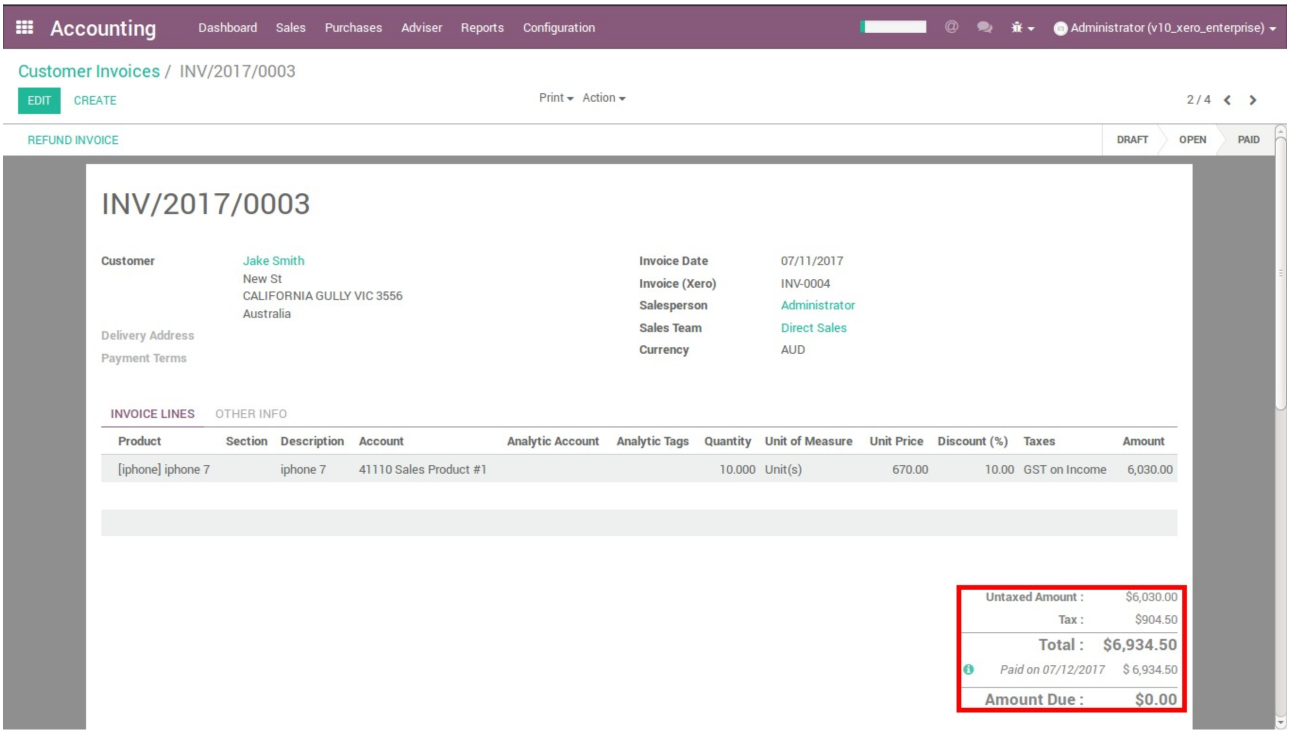


3.9.1 Invoice Payments: It will also create payment lines in Odoo if invoices are paid fully or partially in Xero.

Xero: Accounts → Sales → Invoices

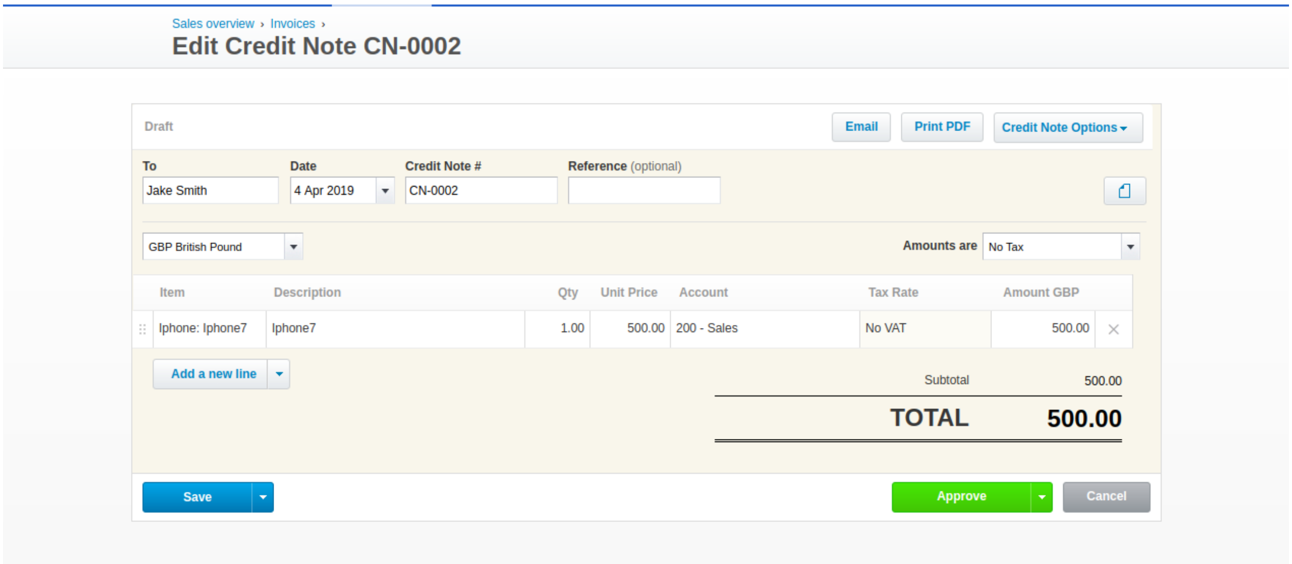


Odoo: Accounting → Sales → Customer Invoices

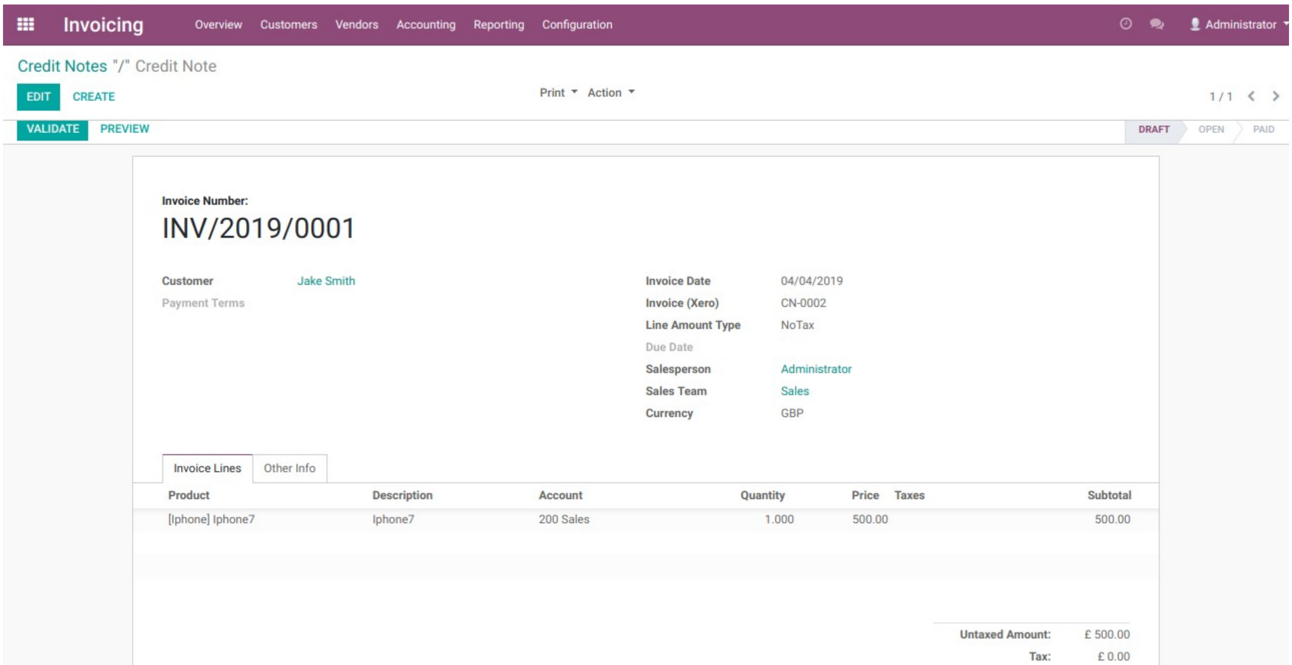


3.10 Credit Notes: Credit Notes (ACCRECCREDIT & ACCPAYCREDIT) will be imported from Xero to Odoo.

Xero: Accounts → Sales → Invoices → Credit Note

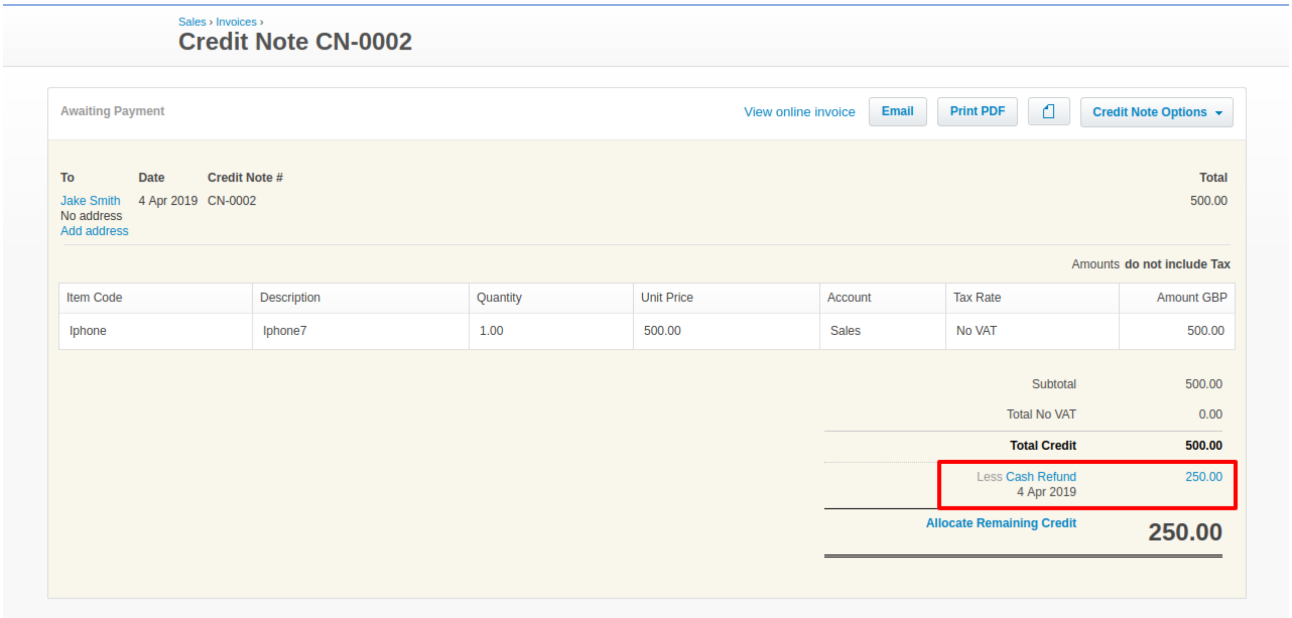


Odoo: Invoicing → Customers → Credit Notes

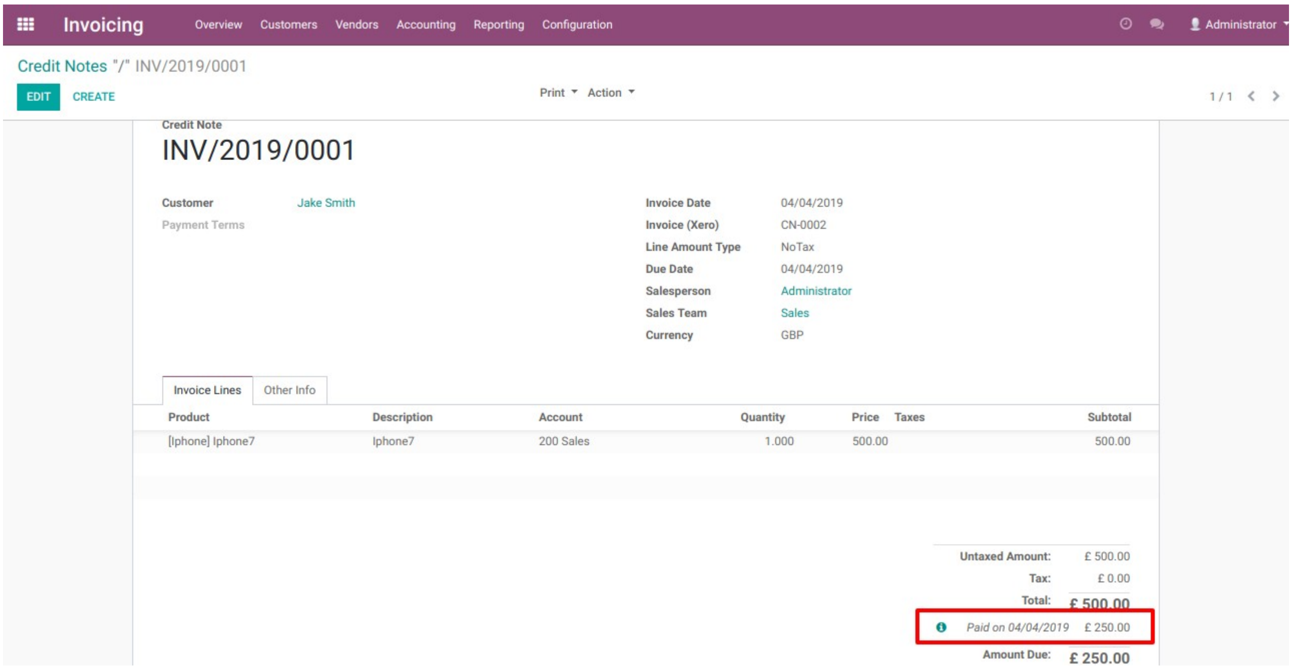


3.10.1 Credit Note Cash Refund: In Xero if you have Refund by cash then in Odoo it will create payment.

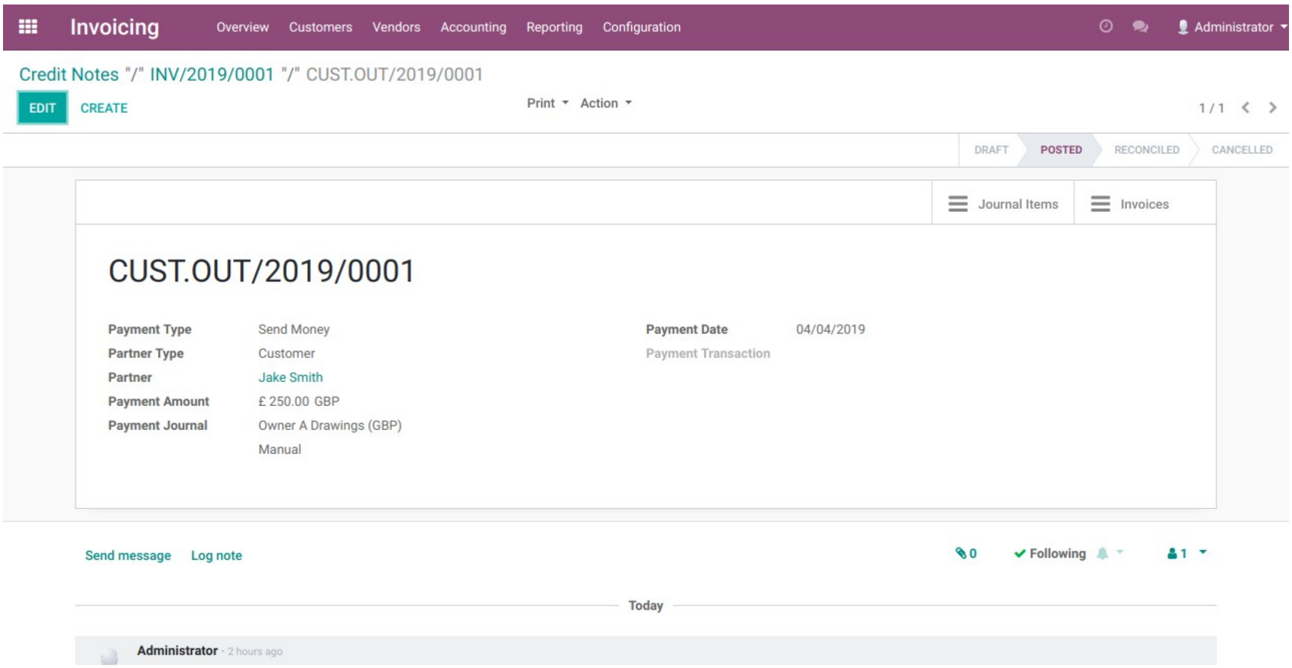
Xero: Accounts → Sales → Invoices → Credit Note



Odoo: Invoicing → Customers → Credit Notes

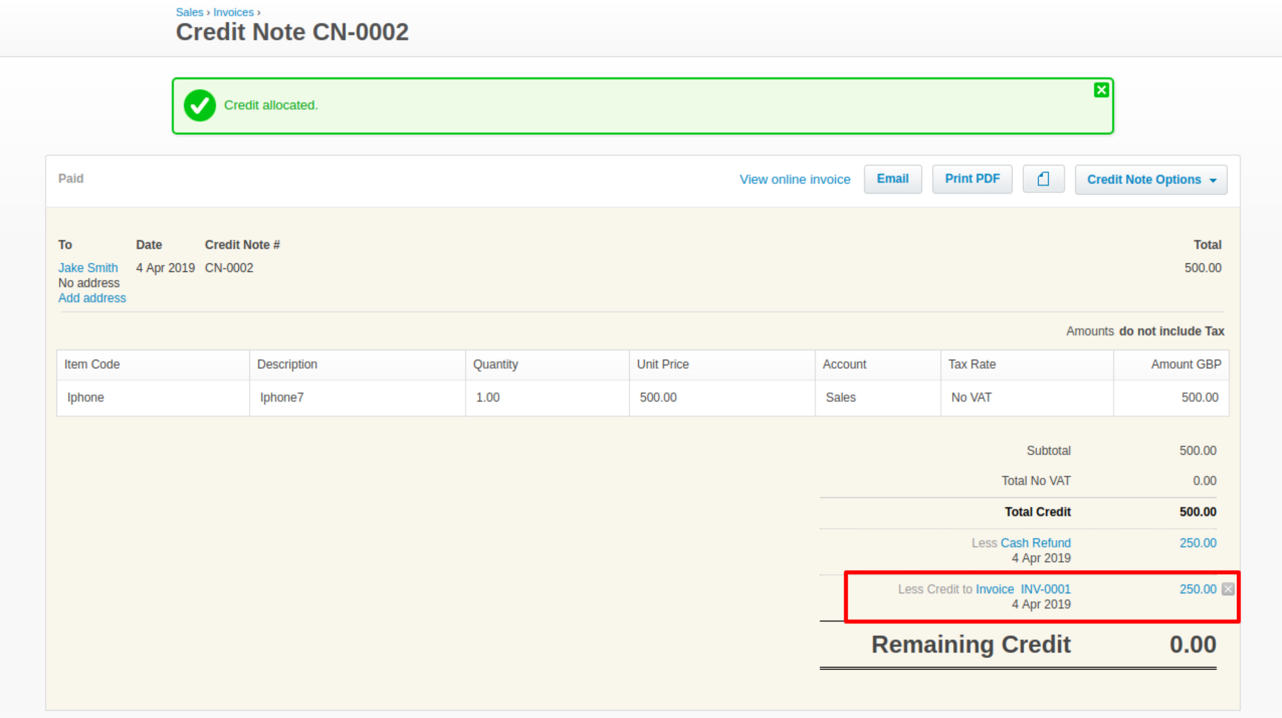


Credit Notes Payment:

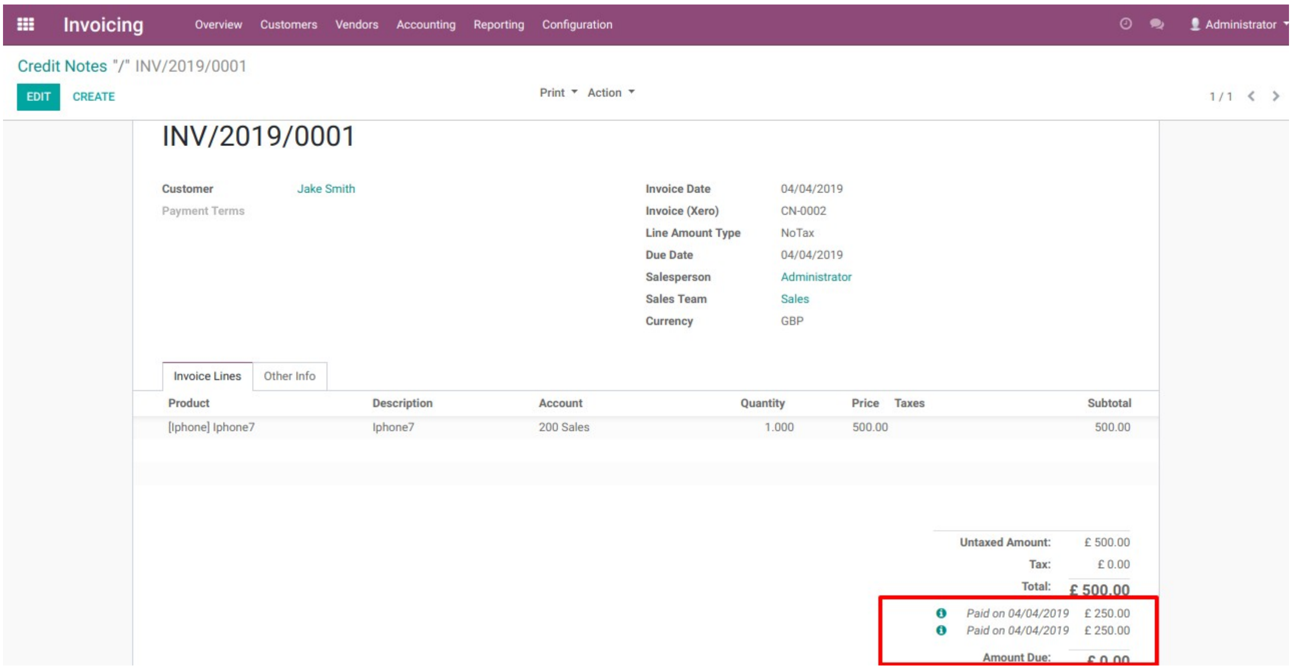


3.10.2 Credit Notes Allocations: In Xero if you allocate Credit Note in Invoice then in Odoo it will perform same Action.

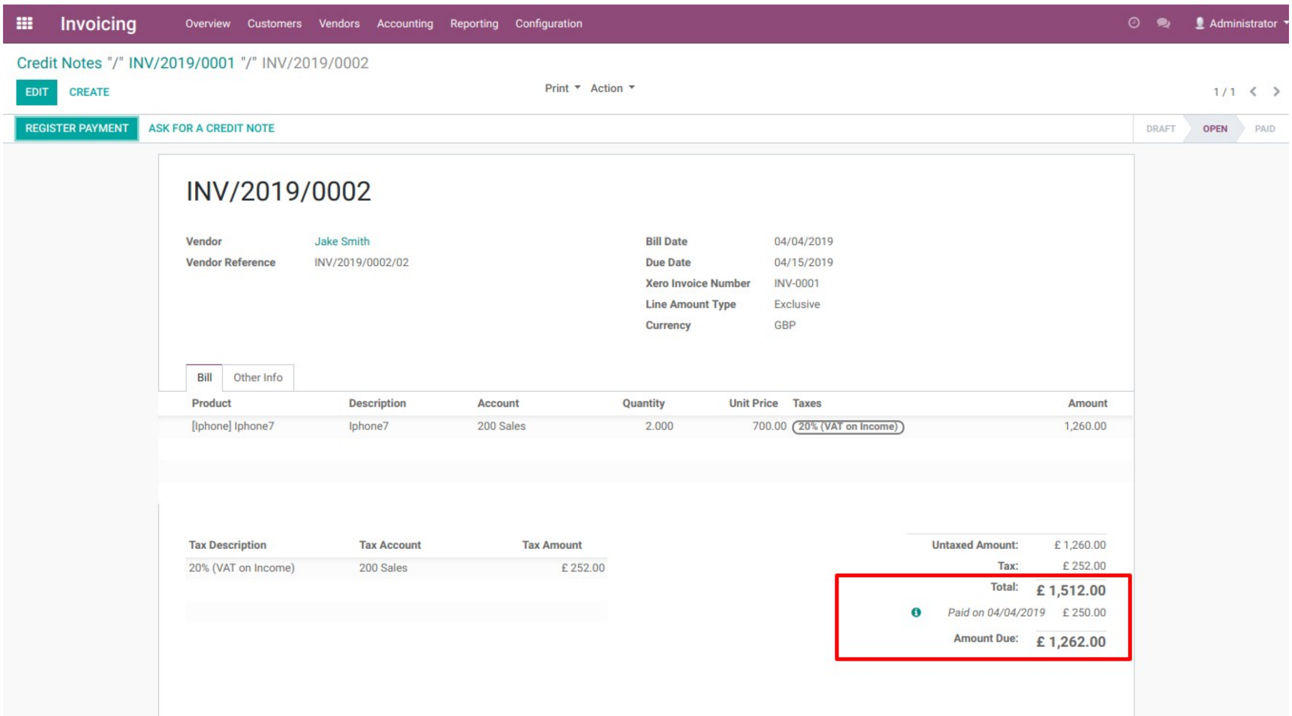
Xero: Accounts → Sales → Invoices → Credit Note



Odoo: Invoicing → Customers → Credit Notes



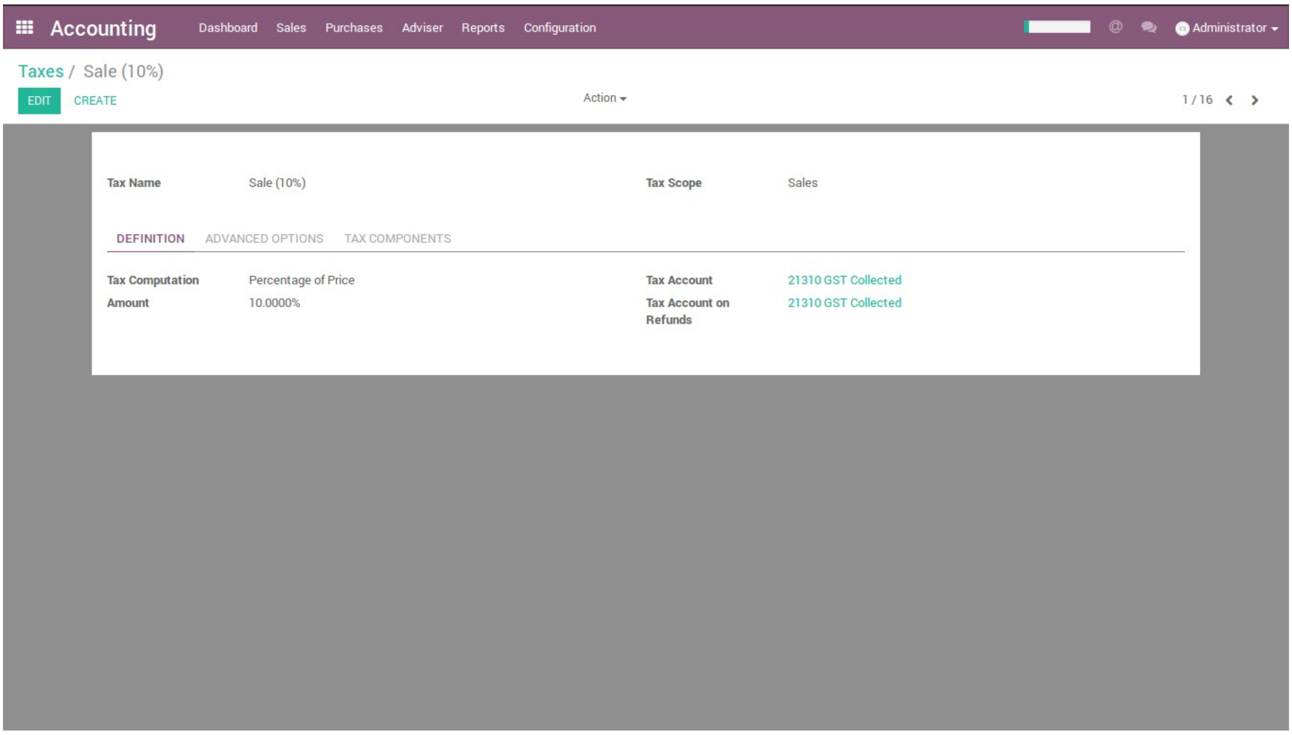
Credit Notes Allocation:



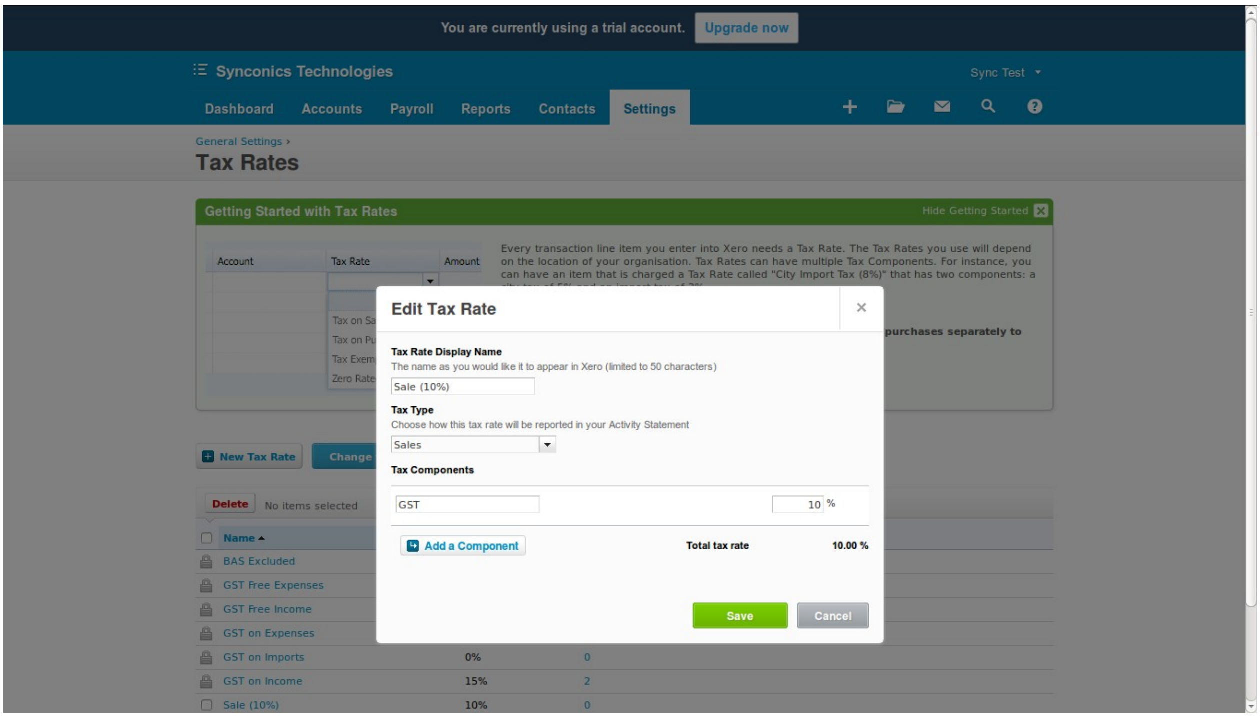
4 Export (Odoo to Xero):

4.1 Taxes: Taxes with their components will be exported from Odoo to Xero.

Odoo: Accounting → Configuration → Accounting → Taxes

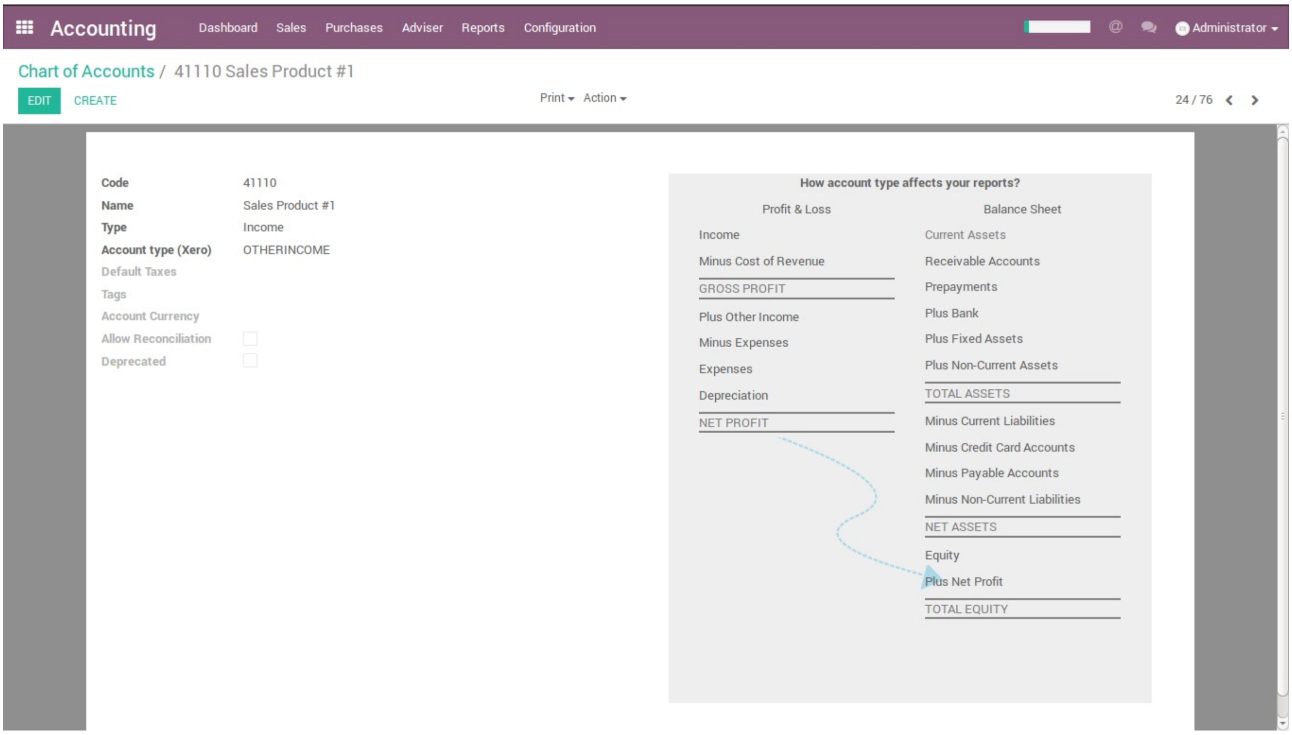


Xero: Settings → General Settings → Tax Rates

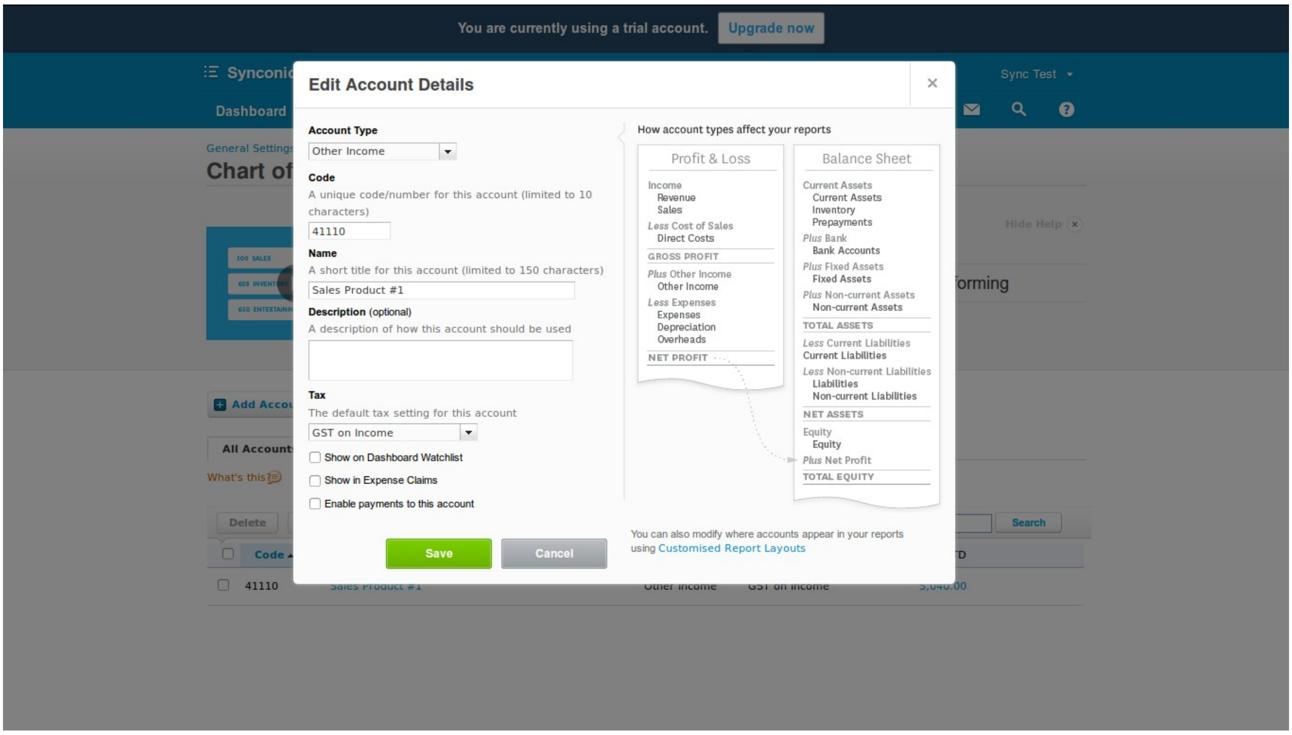


4.2 Chart of Accounts: All types of Charts of Accounts will be exported from Odoo to Xero.

Odoo: Accounting → Adviser → Chart of Accounts

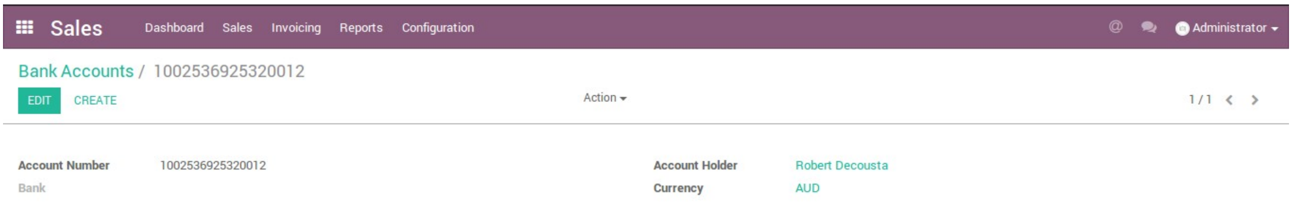


Xero: Settings → Chart of Accounts

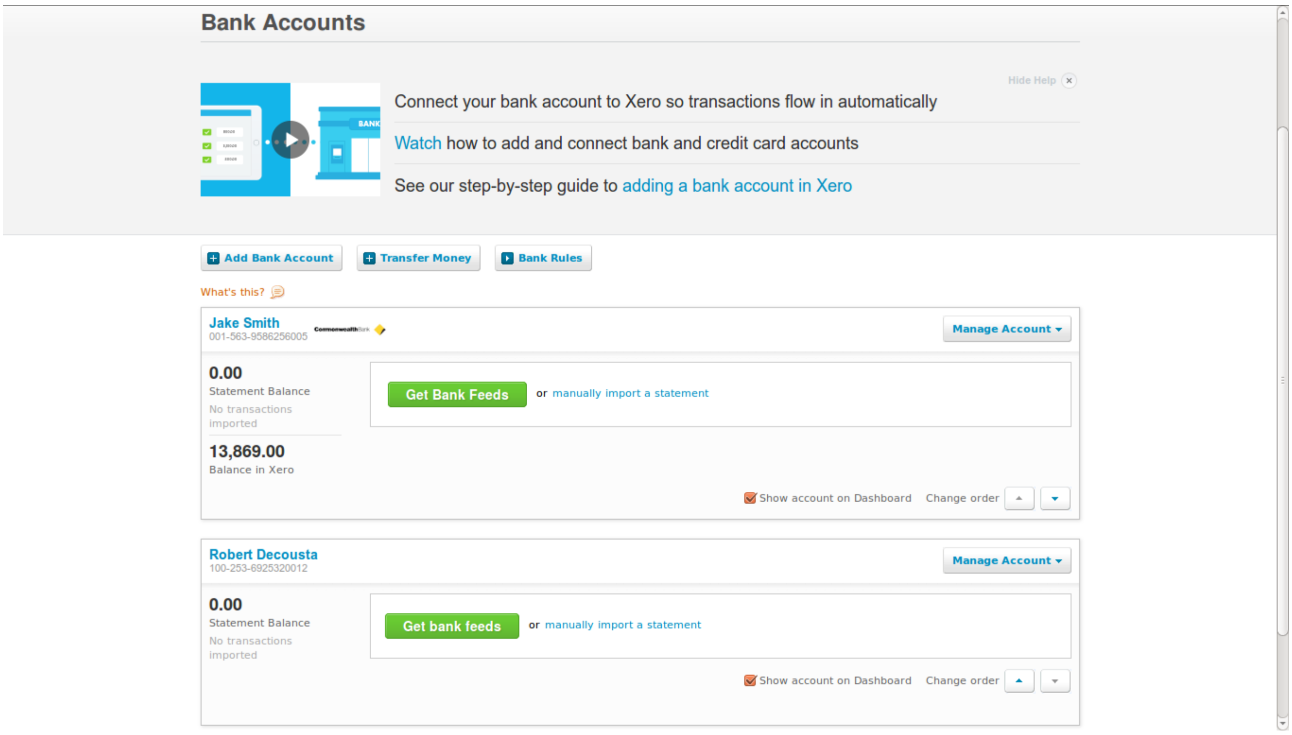


4.3 Bank Accounts: All kinds of Bank Accounts will be exported from Odoo to Xero.

Odoo: Contacts → Configuration → Bank Accounts → Bank Accounts



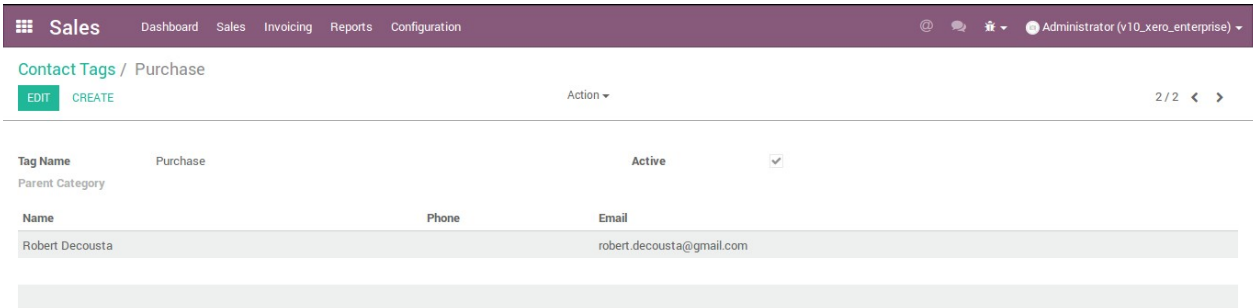
Xero: Accounts → Bank Accounts



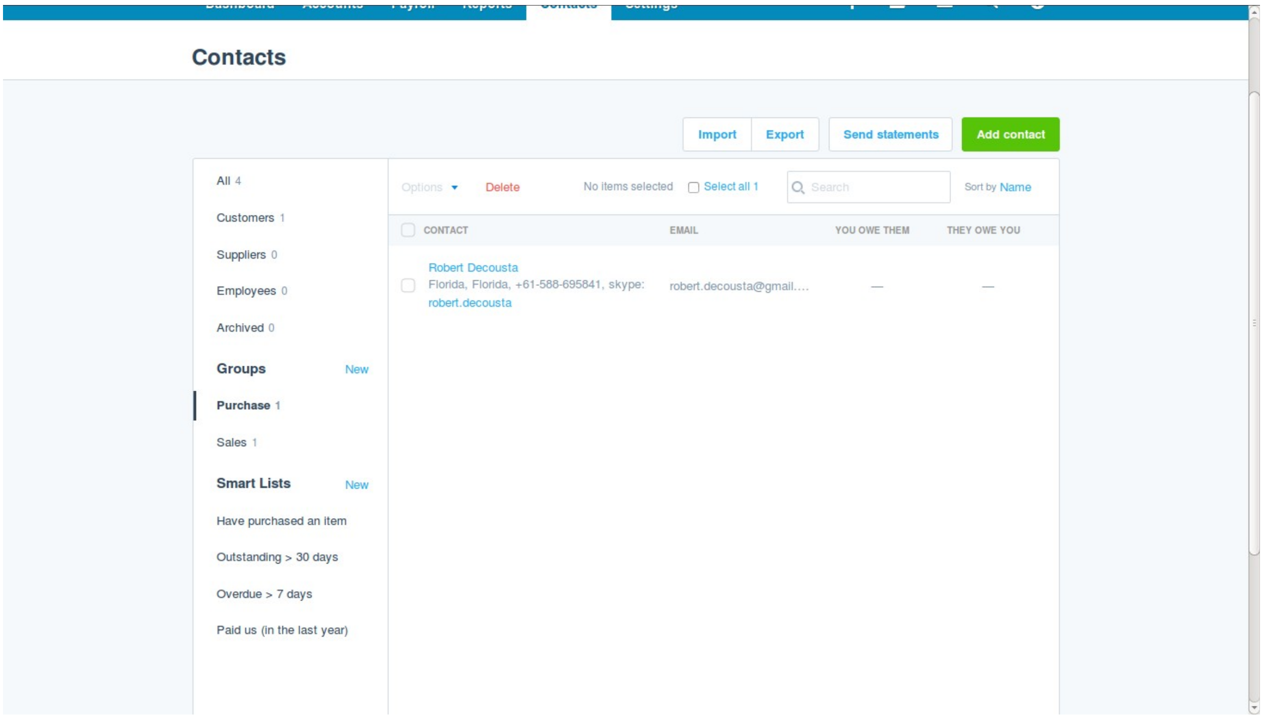
4.4 Contact Groups: Entire Contact Groups will be exported from Odoo to Xero.

Note: *Contact Groups are also get exported automatically when you export Contacts or Contact Groups.*

Odoo: Contacts → Configuration → Contact Tags

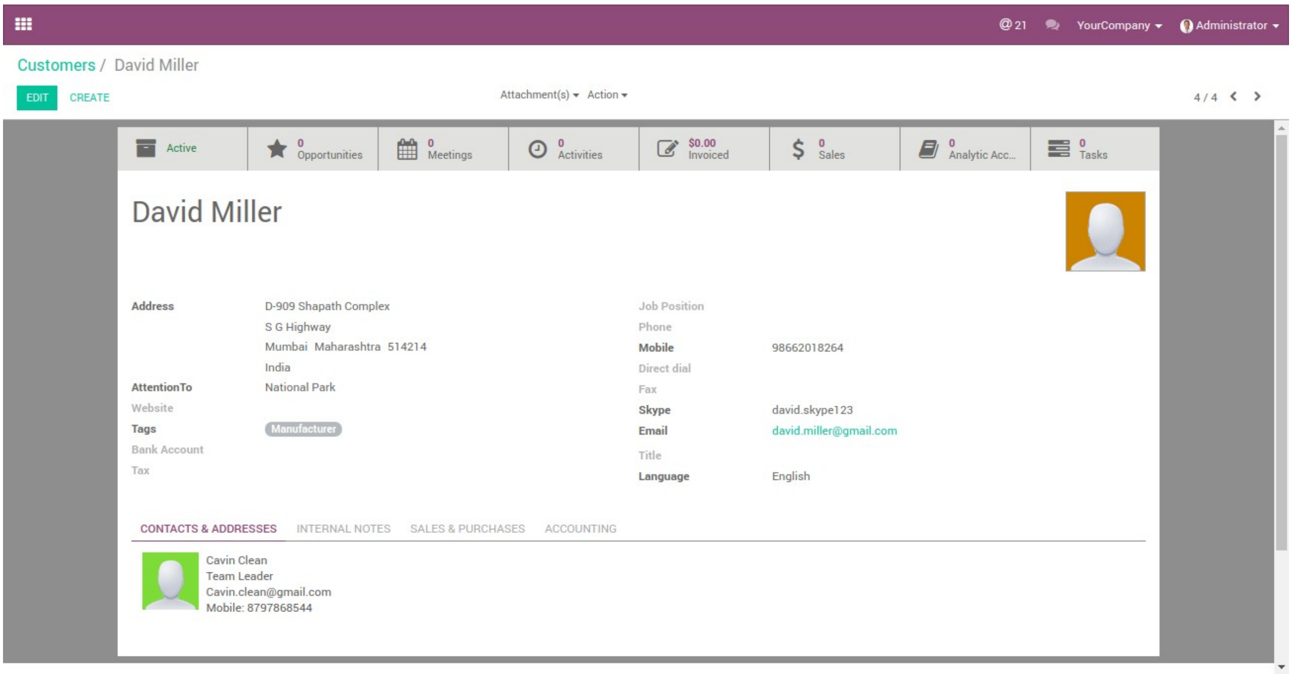


Xero: Contacts → All Contacts → Groups

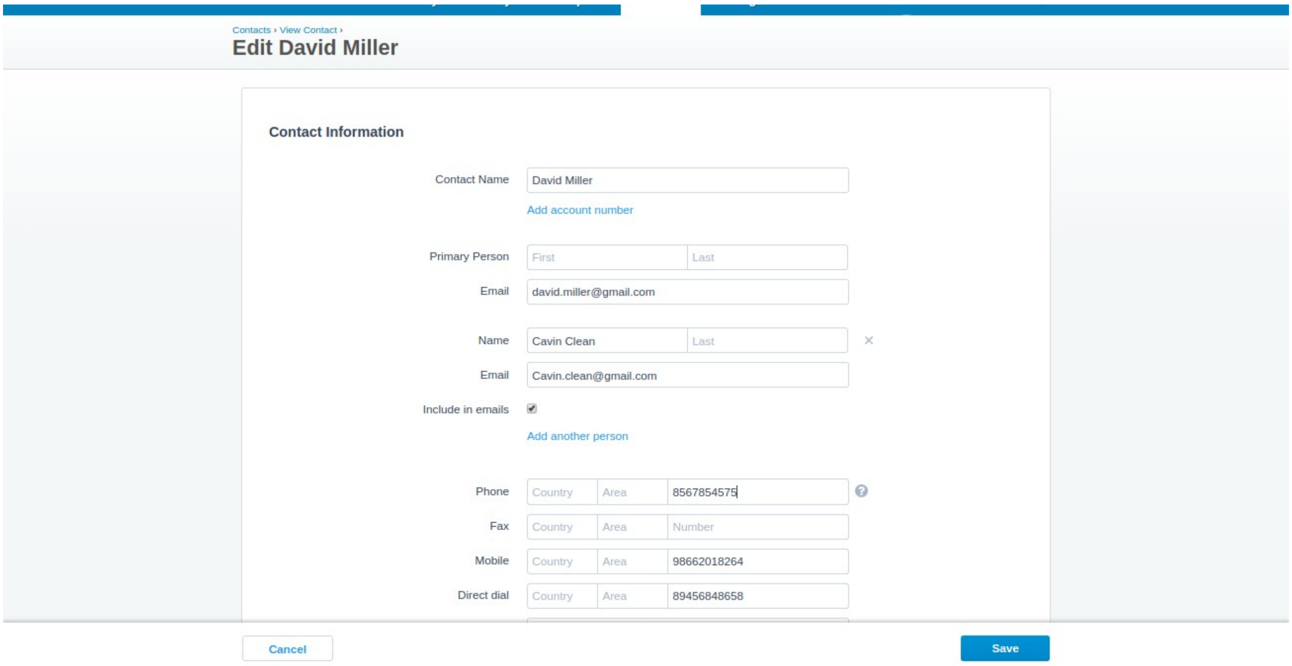


4.5 Contacts: All Contacts (Suppliers or Customers) will be exported from Odoo to Xero at the time of creation and updation at Odoo side.

Odoo: Accounting → Sales → Customer



Xero: Contacts → All Contacts

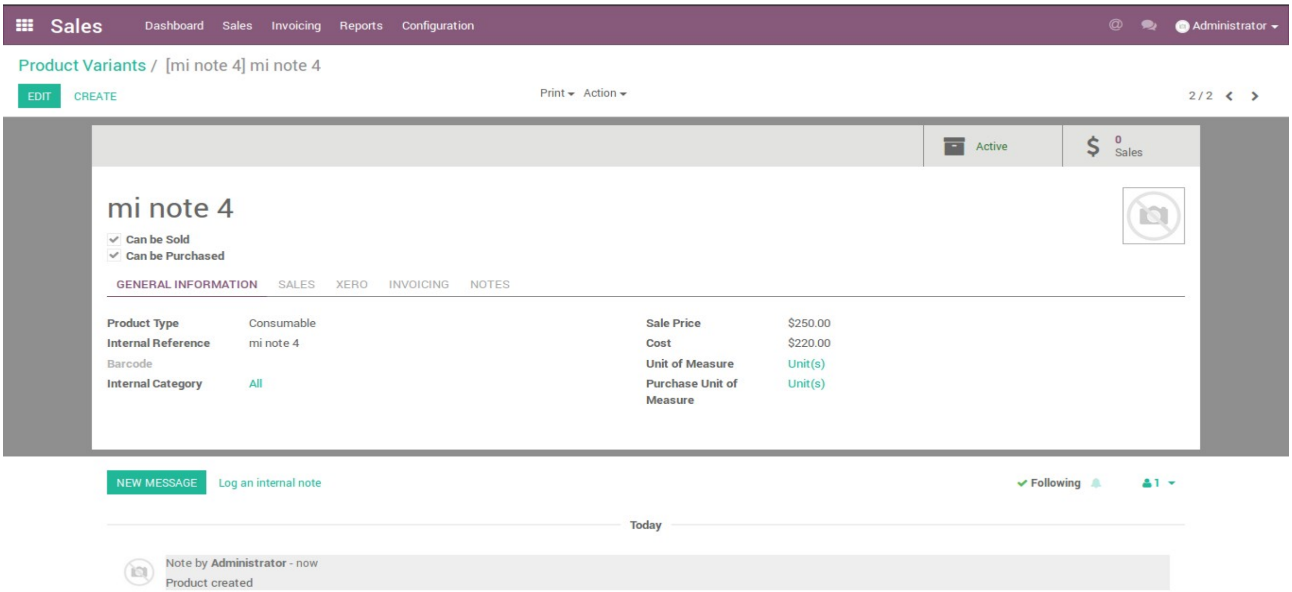


4.6 Products: Products with their Sale price,Cost price and Category will be exported from Odoo to Xero at the time of creation and updation at Odoo side.

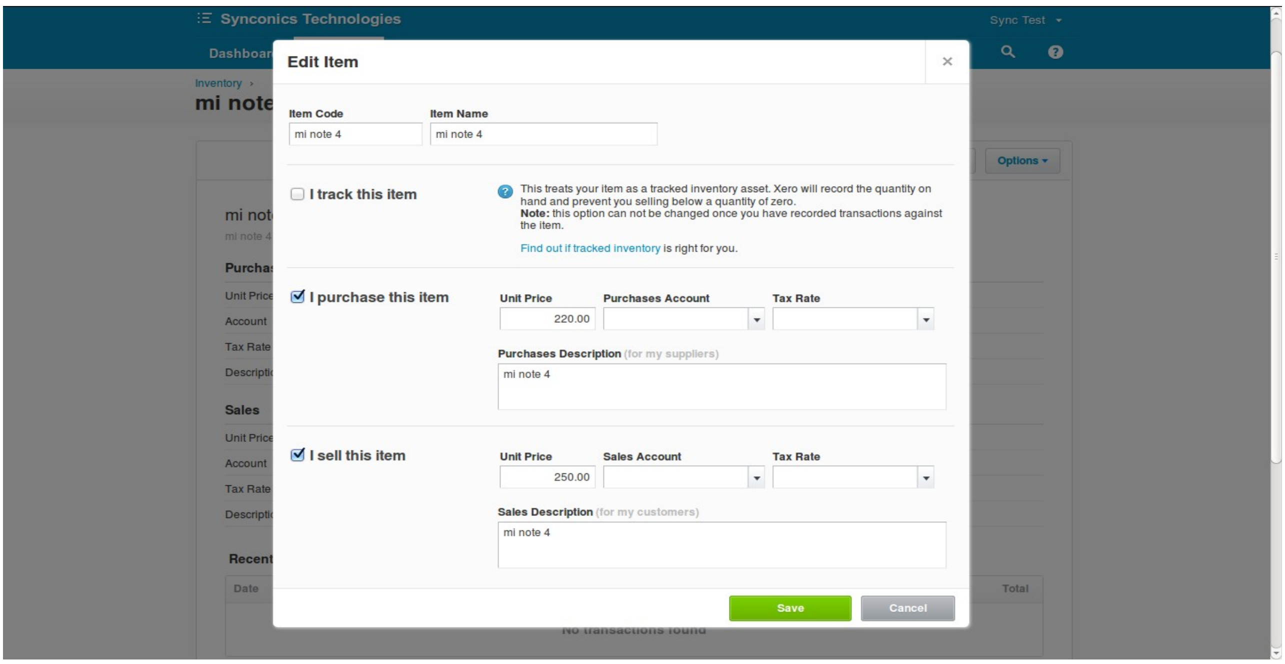
4.6.1 Untracked Products

- In Odoo if product/product category Inventory valuation method is 'Manual' then it will created as Untracked product in Xero.

Odoo: Sales → Sales → Products



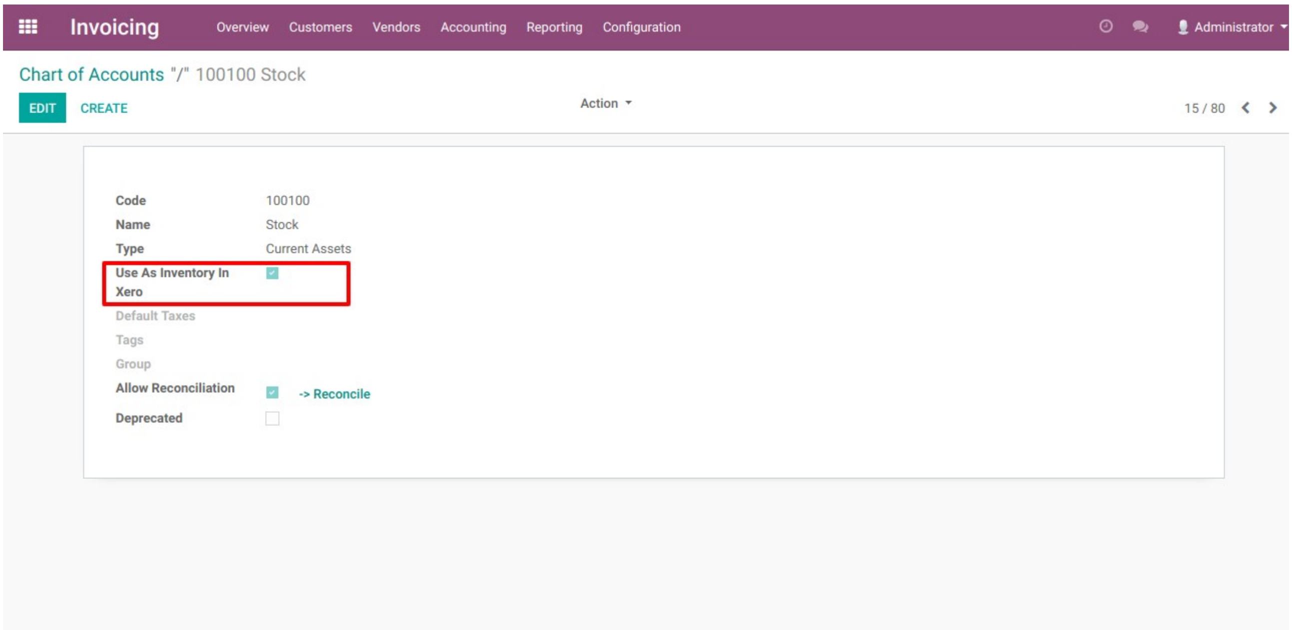
Xero: Accounts → Inventory



4.6.2 Tracked Products:

Chart of Accounts Configuration: For Assets Account which is configured on products or product categories, user needs to tick an option named 'Use As Inventory In Xero' on Chart of Accounts.

Odoo: Invoicing → Configuartion → Accounting → Chart of Accounts

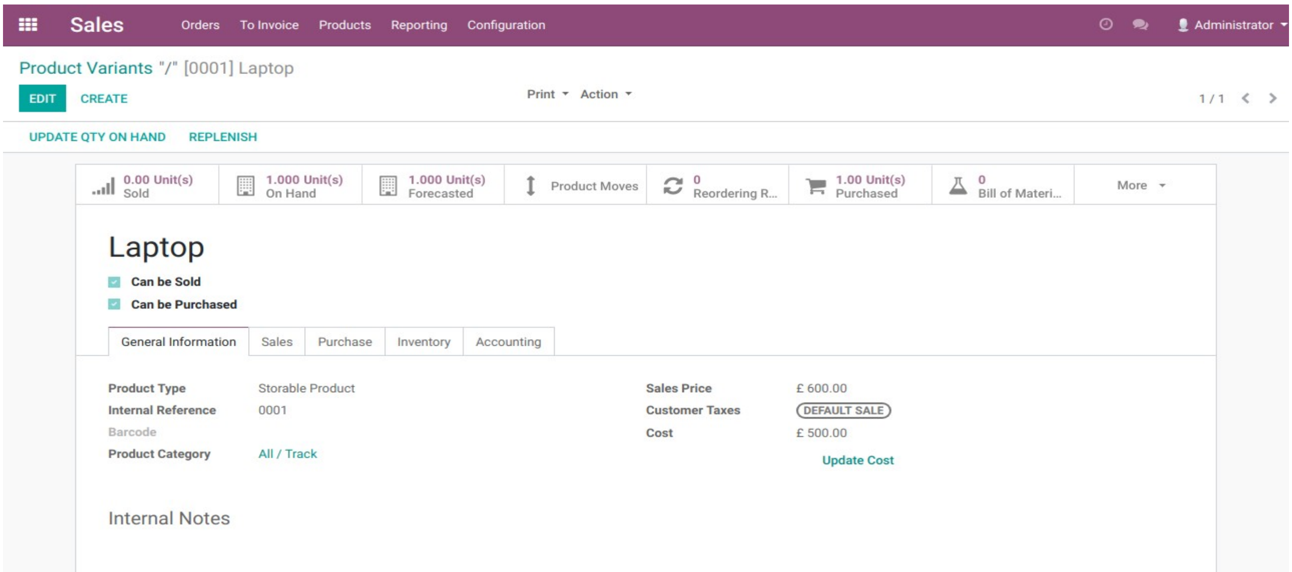


- In Odoo if product/product category Inventory valuation method is ‘Automated’ then it will be created as Tracked product in Xero.

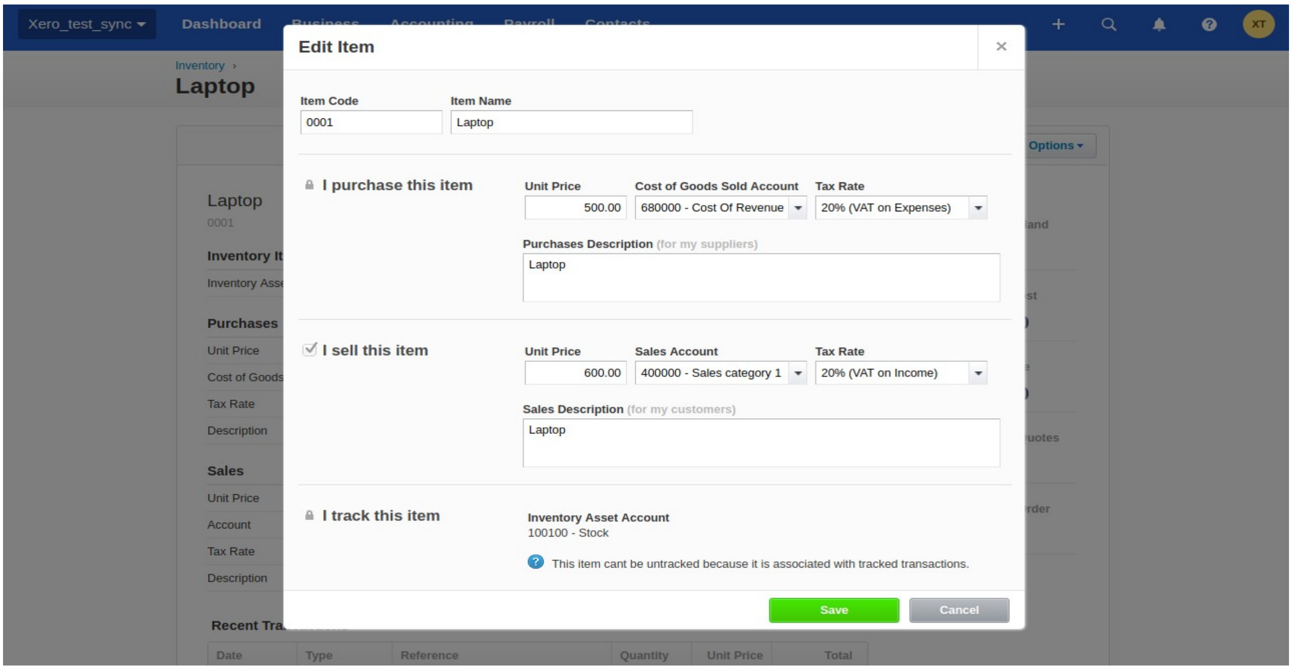
For Tracked product if qty will be increasing or decreasing in Odoo using below option it will be reflected in Xero.

1 - Buying and selling inventory (Bills and Invoices).
2 - By Inventory Adjustments.
3 - By Manufacturing process.

Odoo: Sales → Sales → Products

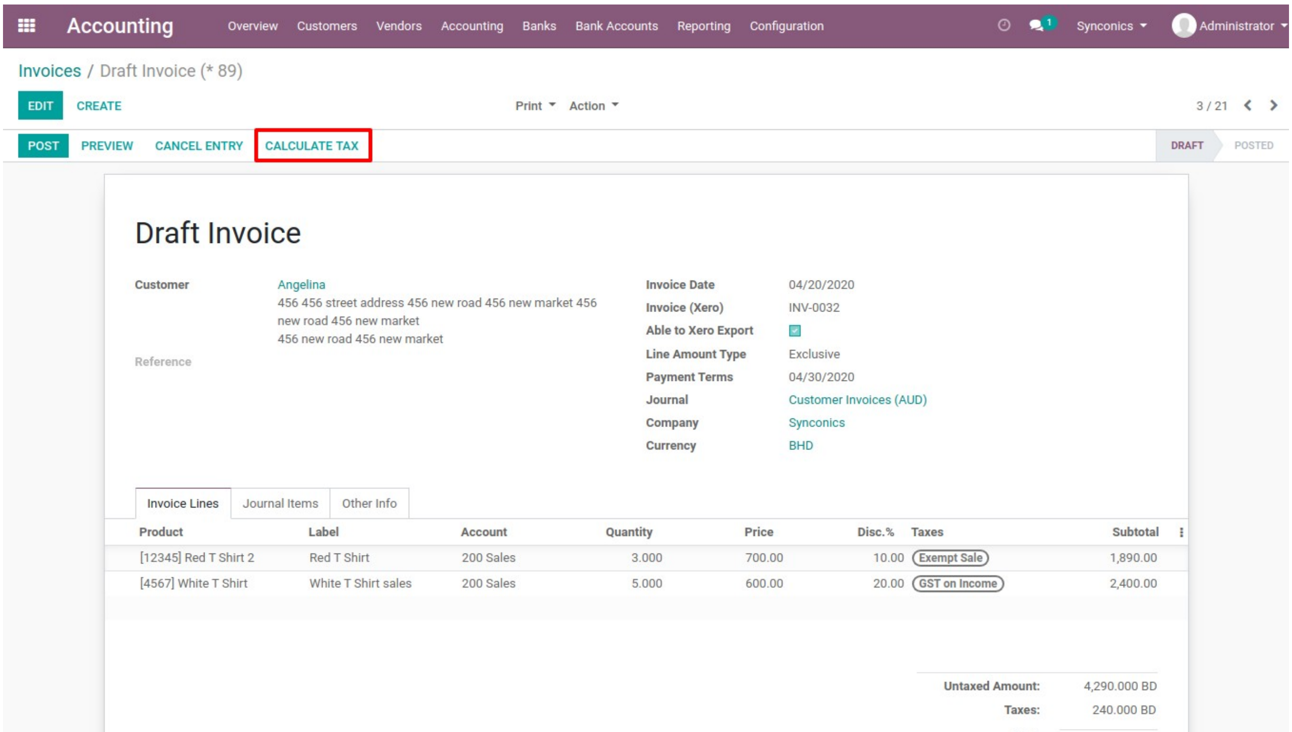


Xero: Accounts → Inventory

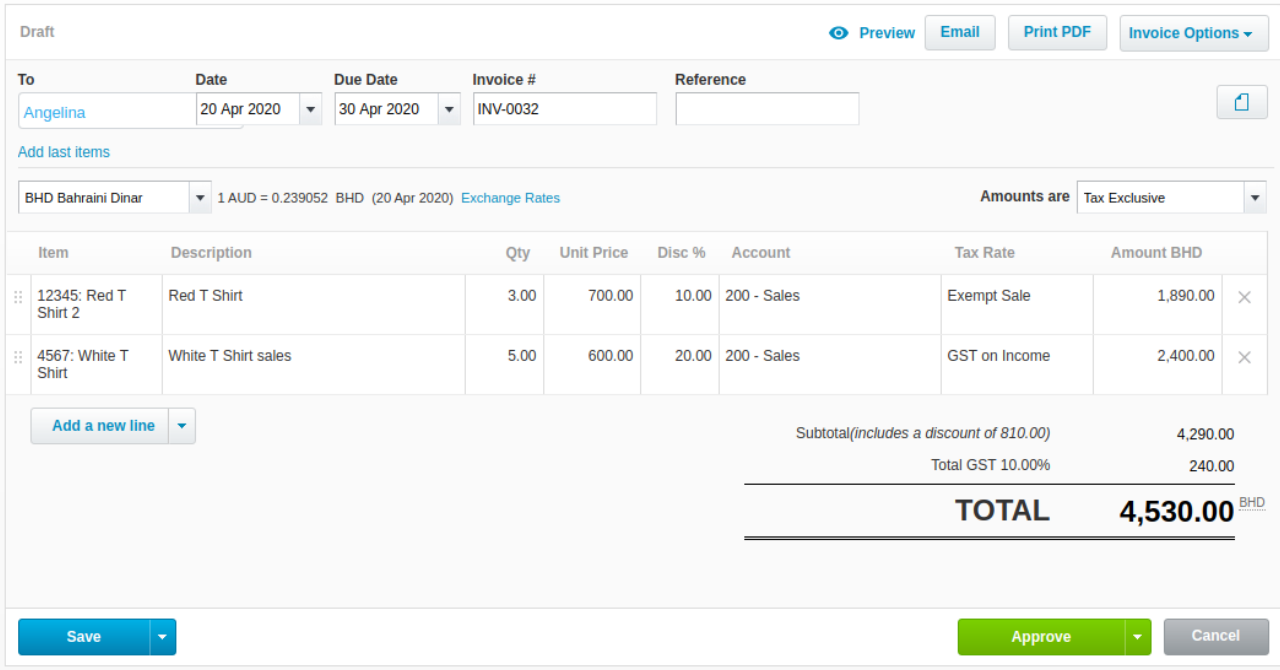


4.7 Invoices: Customers and Suppliers Invoices with related Taxes will be exported from Odoo to Xero.

Odoo: Accounting → Sales → Customer Invoices
when you have changed “Line Amount Type” you need to perform “Calculate Tax” Operation.



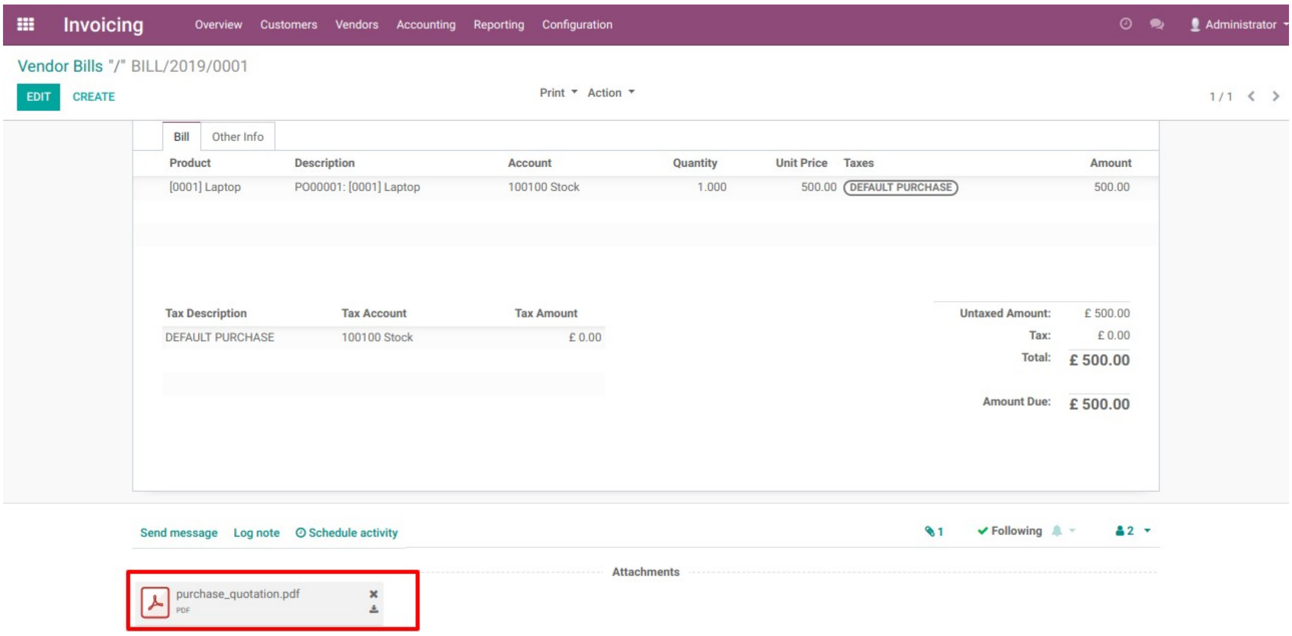
Xero: Accounting → Sales → Invoices



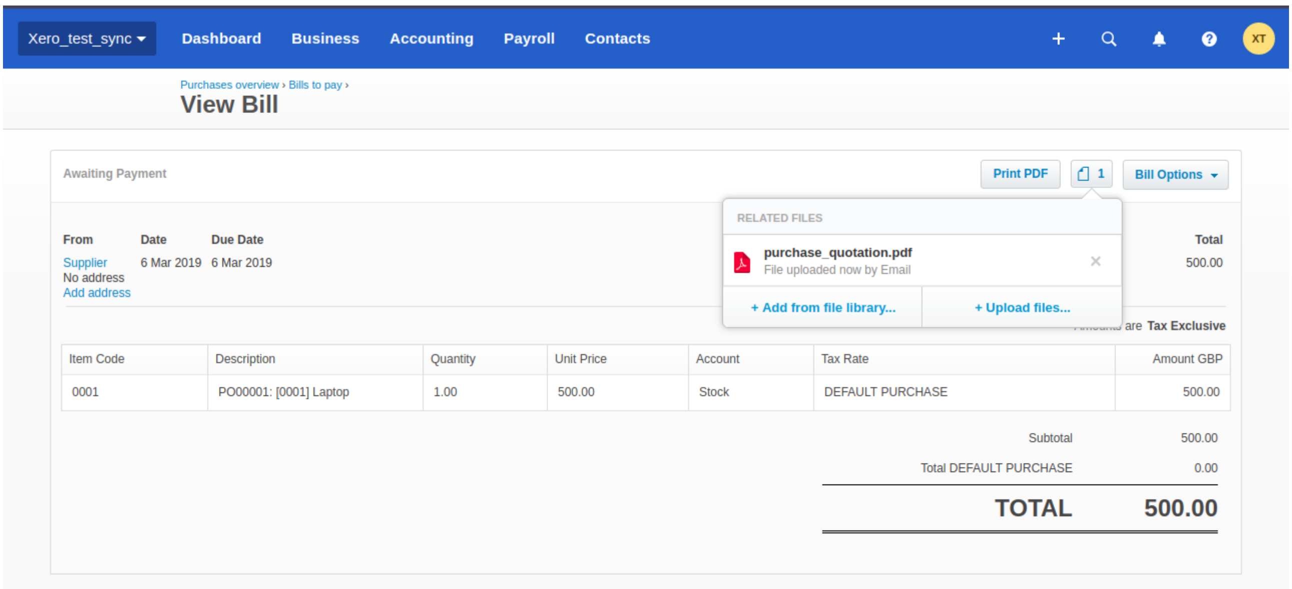
4.8 Attachments: Attachments of Customer Invoices/Vendor Bills will be exported from Odoo to Xero.

Notes – Maximum upload limit for one Attachment is 3 MB.

Odoo:



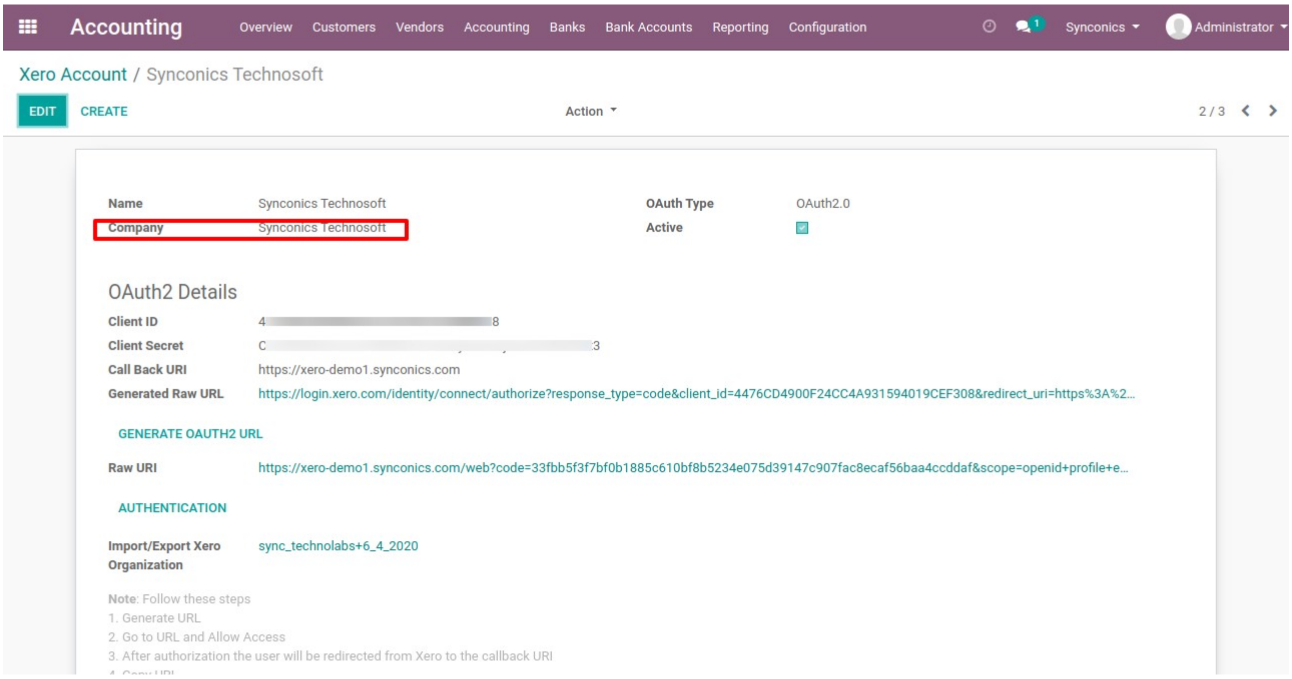
Xero:



5. Multi Accounts Configuration:

If you have multiple Xero Accounts and you want to integrate Odoo with those multiple Xero Accounts, then you need to create multiple Accounts (company wise) in Odoo as well.

Go to Accounting → Configuration → Xero → Xero Accounts



About Us

We are officially ODOO S.A. partner headquartered in Belgium.
Contacts us for any kind of Odoo Implementation, Customization and ERP Training for your Business.

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