

Tryton By Example

A tutorial explaining by example
Tryton installation & usage
for first time administrators & users
of the system

-

Usage : Basic Functionality

Github - [GitHub - mrmarcroottiers/tryton-101: Learn Tryton by example](https://github.com/mrmarcroottiers/tryton-101: Learn Tryton by example)

Version of documentation : 01.01 Dated 26-Apr-21

Version of Tryton : 5.8

Verified for installation on : Windows 10 & Powershell 7

Documentation : GNU GPL

Author : Marc Rottiers



















- >  Party
- >  Product
- >  Company
- >  Financial
- >  Carrier
- >  Currency
- >  Banking
- >  Inventory & Stock
- >  Purchase
- >  Sales
- >  Commission
- >  Timesheet
- >  Marketing
- >  Attendance
- >  Project
- >  Dashboard
- >  Production
- >  Administration

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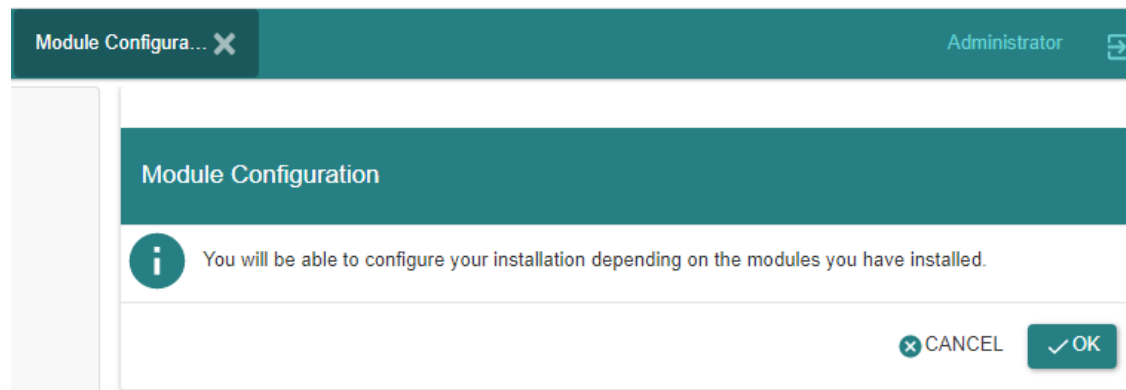
| | |
|---|---|
| Initial Configuration Wizard | Performing Initial Configuration : language, user, module |
| Operations | Explaining how to perform Operations |
| Modules | Explaining the concept of Modules |
| Basic Configuration | Basic Configuration |
| Country & Currency | Installing Country & Currency |
| Party & Company & Employee | Installing Party & Company & Employee |
| User | Installing additional Users |
| Accounting | Activating Financial modules |
| Logins | Demonstrate user privileges |

Initial Configuration Wizard

Configuration Wizard

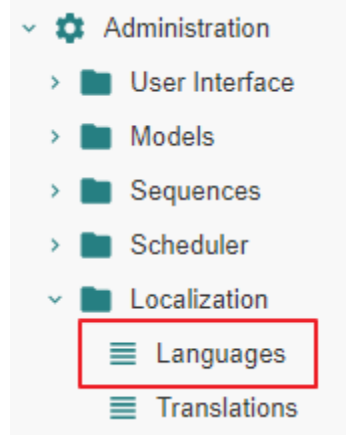
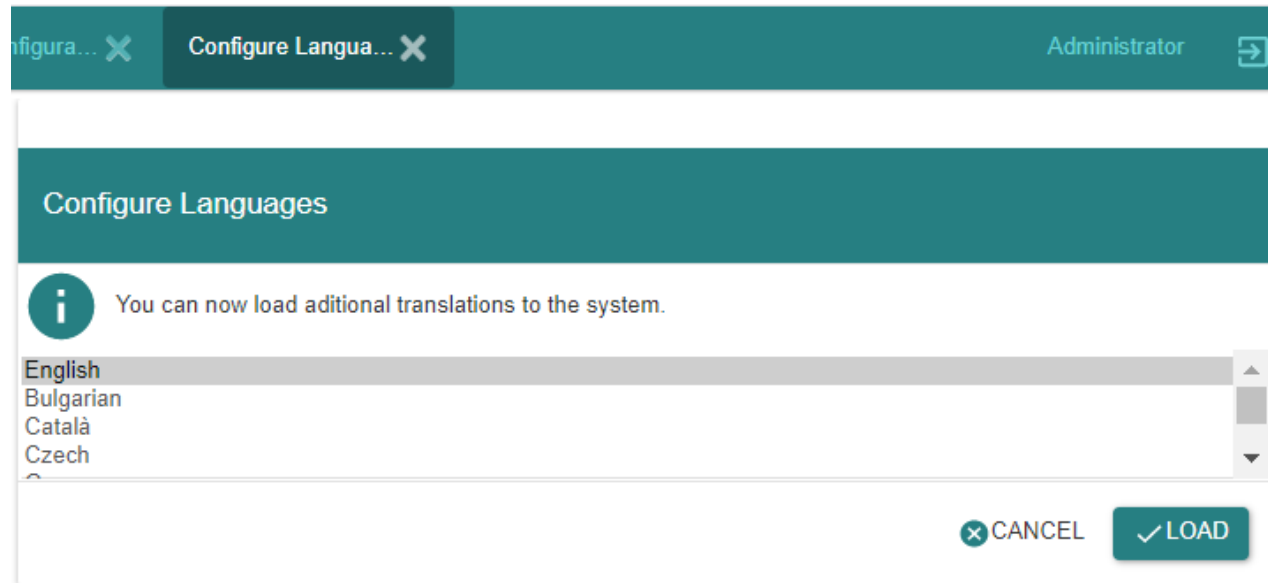
This wizard allows :

- To add languages,
- To define new users and
- To activate functional modules



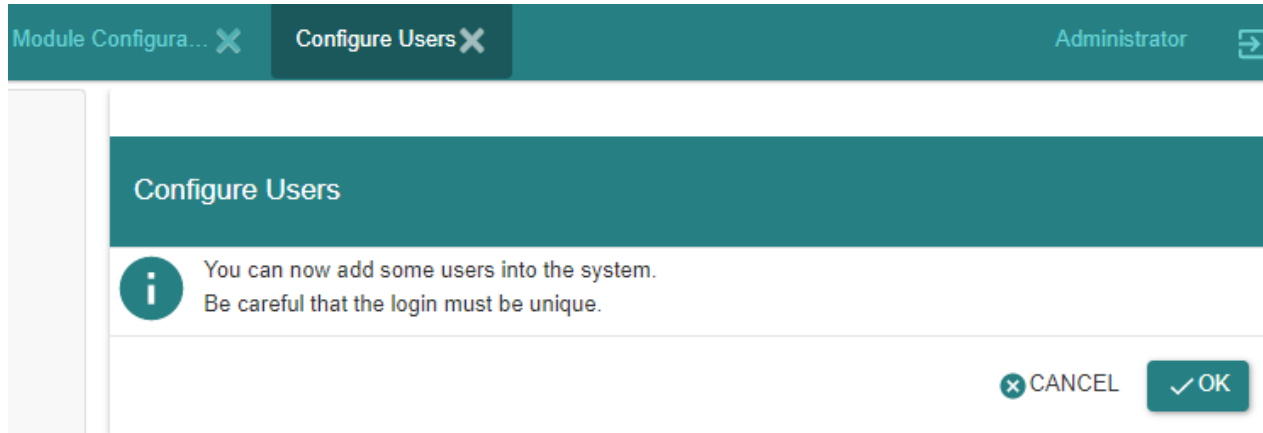
Adding « Languages »

This wizard allows to define new languages



If languages should be added later on, we can access the menu item « Languages »

Defining « Users »



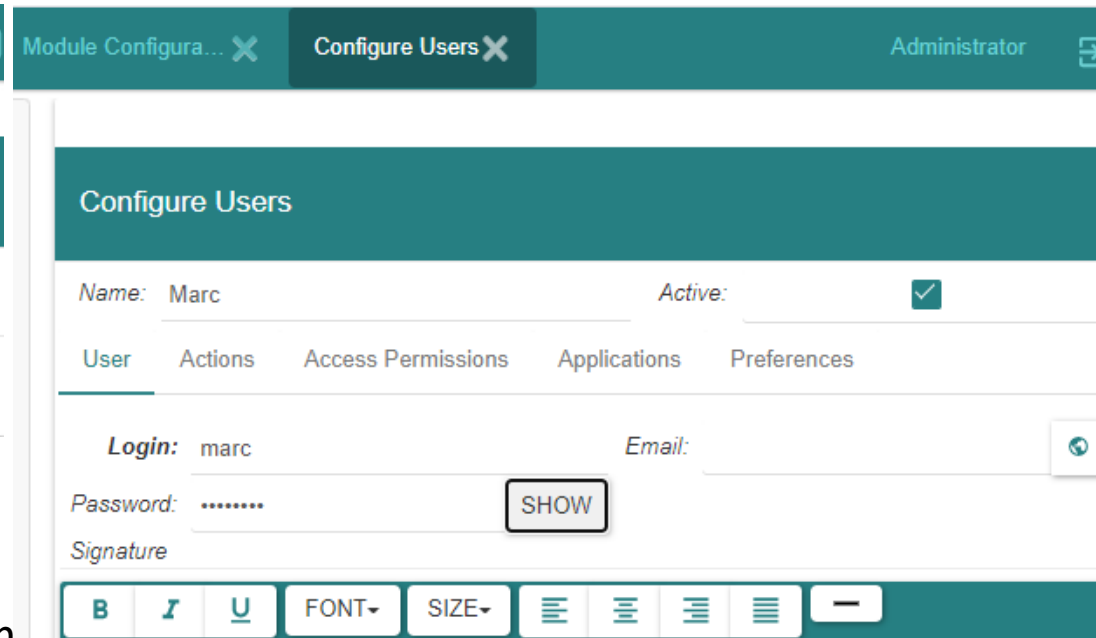
Module Configura... X Configure Users X Administrator

Configure Users

i You can now add some users into the system.
Be careful that the login must be unique.

CANCEL OK

- « User Administrator » is initially used to log into the system
- It is then possible to define additional users
- In this introductory documentation, we nevertheless perform most (if not all) operations with « User Administrator »
- Additional users can be defined later : we access the menu item « Users »
- Note that users cannot be deleted ; they can only be deactivated



Module Configura... X Configure Users X Administrator

Configure Users

Name: Marc Active: ☒

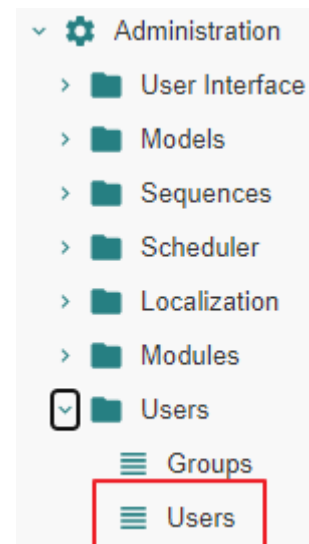
User Actions Access Permissions Applications Preferences

Login: marc Email:

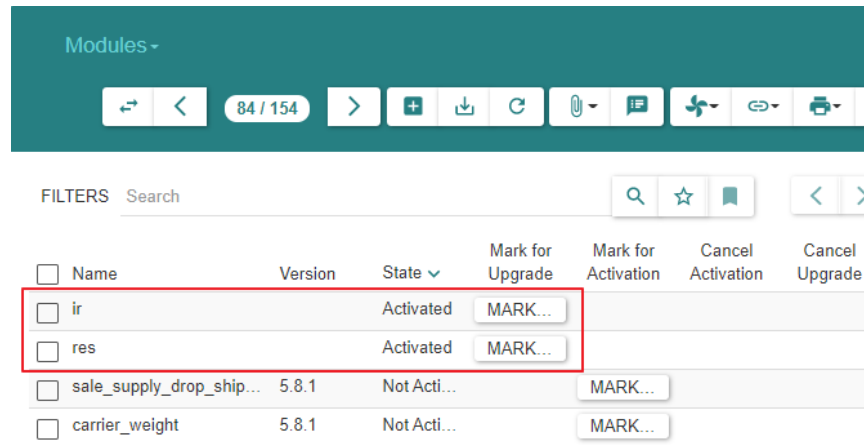
Password: SHOW

Signature

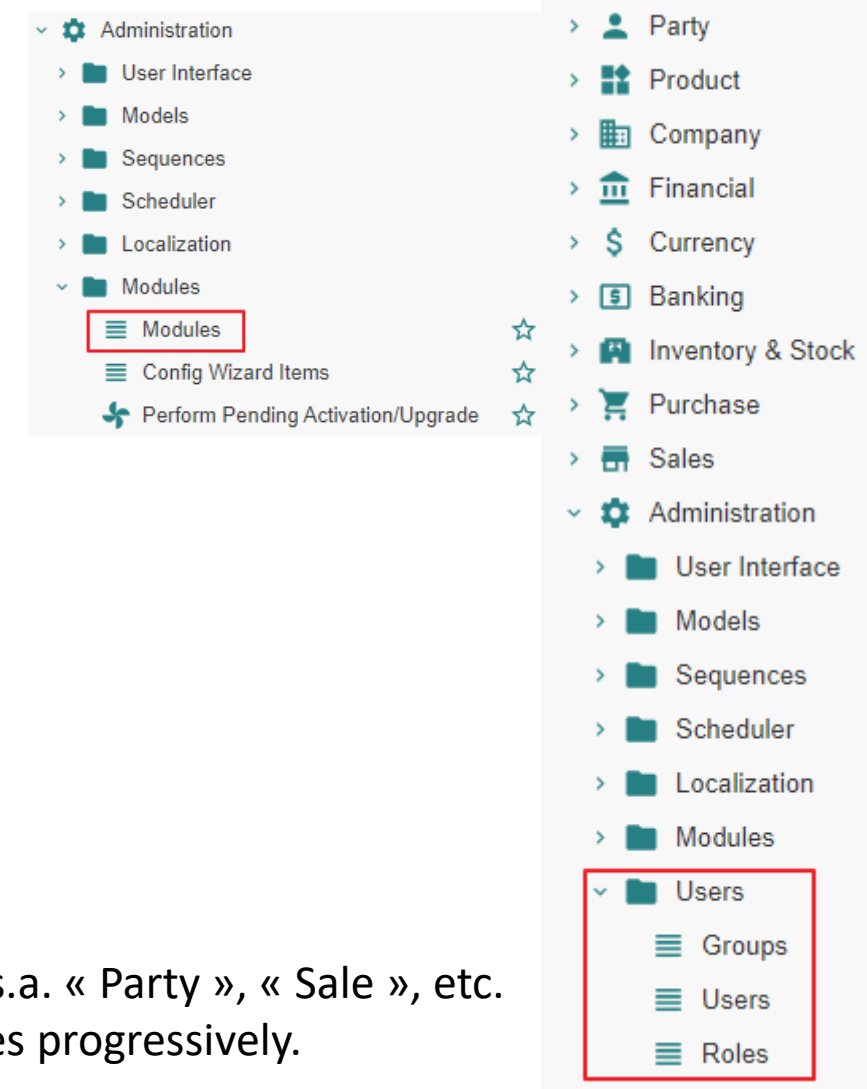
B I U FONT SIZE [List Icons] -



Activating « Modules »



| <input type="checkbox"/> | Name | Version | State | Mark for Upgrade | Mark for Activation | Cancel Activation | Cancel Upgrade |
|--------------------------|--------------------------|---------|-------------|------------------|---------------------|-------------------|----------------|
| <input type="checkbox"/> | ir | | Activated | MARK... | | | |
| <input type="checkbox"/> | res | | Activated | MARK... | | | |
| <input type="checkbox"/> | sale_supply_drop_ship... | 5.8.1 | Not Acti... | | MARK... | | |
| <input type="checkbox"/> | carrier_weight | 5.8.1 | Not Acti... | | MARK... | | |



Initially

- Initially, all but two modules are activated : « ir » and « res »
- We do not activate additional modules at this stage

User Administrator

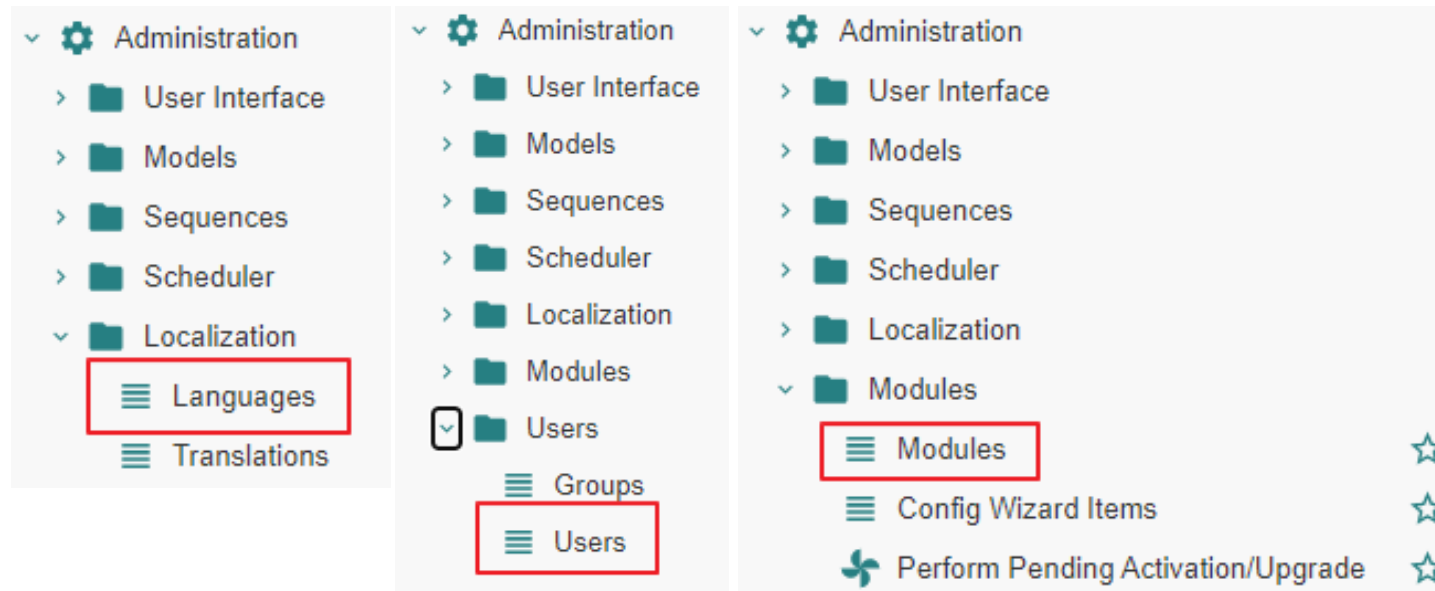
- Modules must be activated for this user to access functional subject areas s.a. « Party », « Sale », etc.
- As we progress in our understanding of the system, we will activate modules progressively.
- We do this by referring to the menu item « Modules ».

Other users

- At the end of this document, we will show how to activate access to subject areas by other users.
- We will do so thru Menu Tree Items « User Groups » or « User Roles ».

Re-executing wizards - Method 1

Wizard operations can be repeated later as well, using Menu items in the Tree on the left of the screen



Re-executing wizards - Method 2

Config Wizard Items

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FILTERS

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| <div>☰</div> Action | Sequence | State |
|--|----------|-------|
| <div><input checked="" type="checkbox"/></div> Configure Languages | 10 | Done |
| <div><input type="checkbox"/></div> Configure Users | 10 | Done |
| <div><input type="checkbox"/></div> Configure Company | 10 | Done |
| <div><input type="checkbox"/></div> Create Chart of Accounts from Template | 10 | Done |
| <div><input type="checkbox"/></div> Configure Modules | 10,000 | Done |

We need to reopen the wizard in order to execute it again

Config Wizard Items

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Module Configuration

Translate view

| <div>☰</div> Action | Sequence | State |
|--|----------|-------|
| <div><input checked="" type="checkbox"/></div> Configure Languages | 10 | Open |
| <div><input type="checkbox"/></div> Configure Users | 10 | Done |

Module Configuration (1)

i

You will be able to configure your installation depending on the modules you have installed.

✕ CANCEL

✓ OK

> Party

> Product

> Company

> Financial

> Currency

> Banking

> Inventory & Stock

> Purchase

> Sales

> Administration

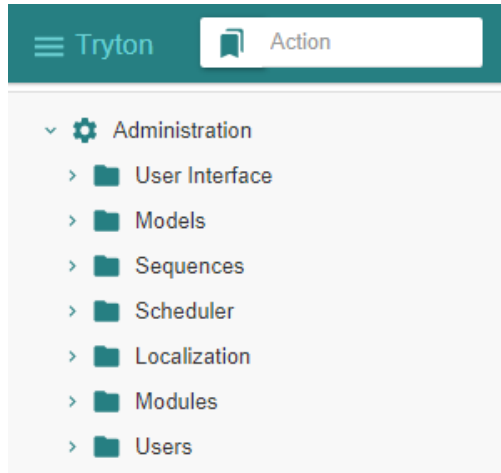
- > User Interface
- > Models
- > Sequences
- > Scheduler
- > Localization
- > Modules
 - Modules
 - Config Wizard Items**
 - Perform Pending Activati...

Operations

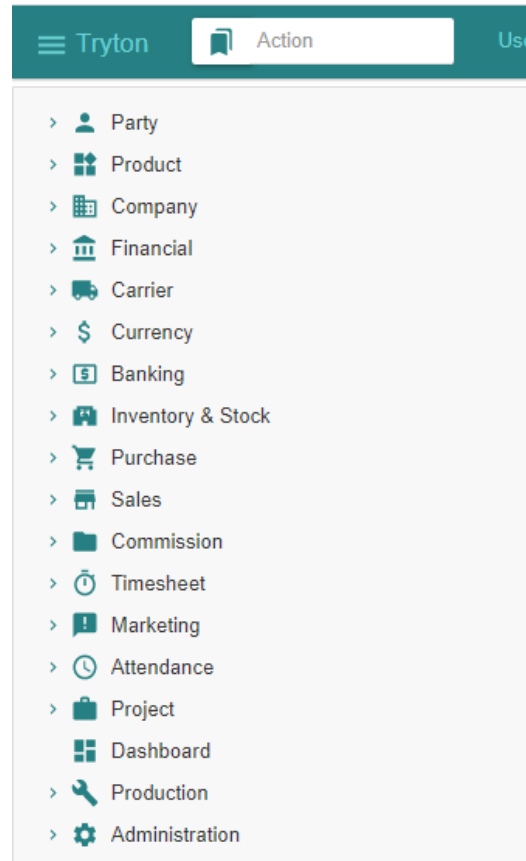
Motivation

- Before exploring the functional aspects of the system, we explain the different widgets that support navigation in the system and trigger operations on items and item lists.
- Please revisit this section whilst getting acquainted with the system subject areas.

Application - Menu Tree - Triggering operations



State of Menu Tree
when
Initial modules activated

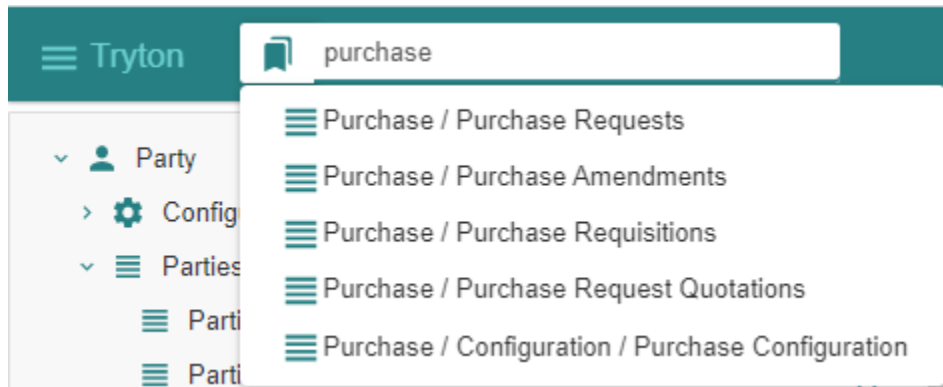


State of Menu Tree
when
All modules activated

- The amplitude of the menu tree depends on which application modules have been activated (i.e. installed) for a given user. See next section.
- Application modules belong to functional subject areas that are reflected in the Menu Tree : « Party », « Product », etc.

Application - Menu Tree - Search for menu item containing e.g. « Purchase »

- A search mechanism exists for the tree of menu items
- Here we assume that the « Purchase » modules have been activated and search for some related functionality



Entity - Filters

- The proposed filter depends on the entity properties
- Here an example for the entity « Party »

Parties -

FILTERS

Search

☐ Code

Name

☐ 1

COM01

☐ 2

EMP01

☐ 3

SUP01

Code

Code

Name

Name

Tax Identifier

Tax Identifier

Receivable Today

..

Payable Today

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Deposit

..

SIREN

SIREN

ID

..

Created by

Created by

Created at

From

..

To

Modified by

Modified by

Modified at

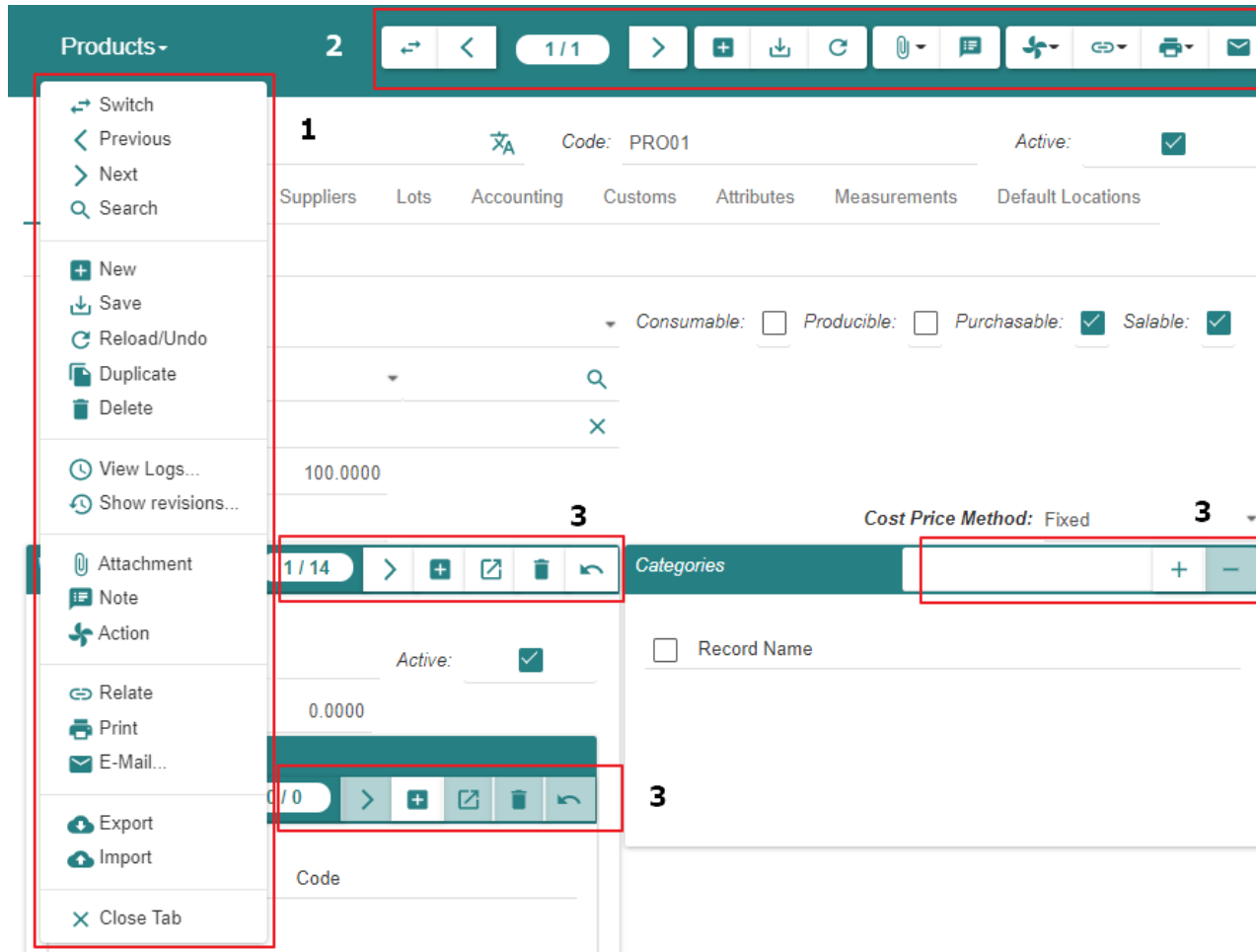
From

..

To

FIND

Entity - Menu Bars - An overview

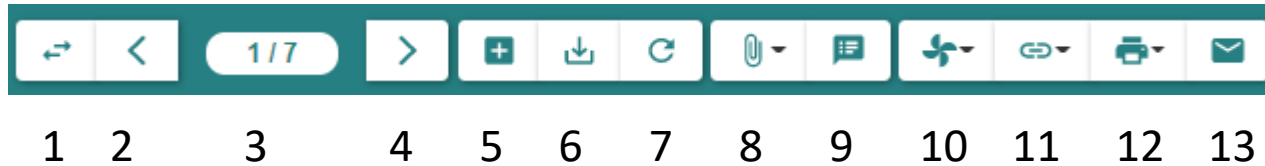


1. Vertical menu bar displays all possible operations
2. Horizontal menu bar displays some entity or list operations
3. Horizontal menu bars display intra-entity operations

Entity - Menu Bars - Vertical Menu Bar

| Parties ▾ | | |
|---------------------|------|--|
| ↔ Switch | - 1 | - 1 switch view from « item list » to « item » |
| < Previous | - 2 | - 2 « item » : previous in list |
| > Next | - 3 | - 3 « item » : position in list |
| 🔍 Search | - 4 | - 4 « item » : next in list |
| <hr/> | | |
| + New | - 5 | - 5 « item » : start adding |
| ↓ Save | - 6 | - 6 « item » : save |
| 🔄 Reload/Undo | - 7 | - 7 « item list » or « item » : reload / undo / refresh |
| 📄 Duplicate | - 8 | - 8 « item » : duplicate |
| 🗑 Delete | - 9 | - 9 « item » : delete |
| <hr/> | | |
| 🕒 View Logs... | - 10 | - 10 « item list » : perform operation that is specific of this list |
| 🕒 Show revisions... | - 11 | - 11 |
| <hr/> | | |
| 📎 Attachment | - 12 | - 12 « item » : attach one or more documents (e.g. of type docx, xlsx, etc.) |
| 💬 Note | - 13 | - 13 « item » : attach a note |
| 🌀 Action | - 14 | - 14 « item » : actions that are specific of the entity |
| <hr/> | | |
| 🔗 Relate | - 15 | - 15 |
| 🖨 Print | - 16 | - 16 « item » : print |
| ✉ E-Mail... | - 17 | |
| <hr/> | | |
| 📤 Export | - 18 | - 17 |
| 📥 Import | - 19 | - 18 |
| <hr/> | | |
| ✕ Close Tab | | - 19 |

Entity - Menu Bars - Horizontal Menu Bar



- 1 switch view from « item list » to « item » (*)
- 2 « individual record » : previous in list
- 3 « individual record » : position in list
- 4 « individual record » : next in list
- 5 « individual record » : start adding
- 6 « individual record » : save
- 7 « individual record » and « record list » : reload / undo / refresh
- 8
- 9
- 10 « record list » : perform operation that is specific of this list
- 11
- 12 « individual record » : print
- 13

Entity - « Item Double-Click » vs « Menu Item Navigation »

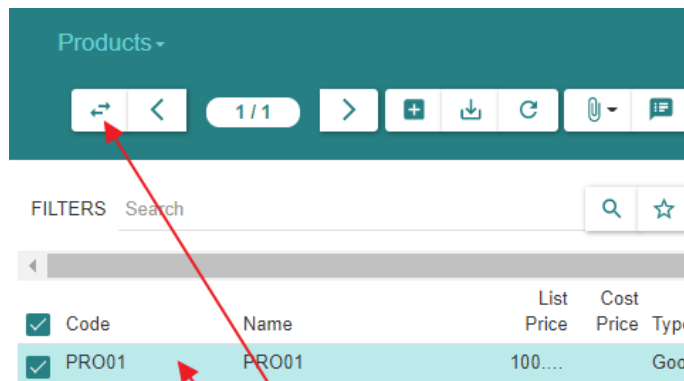
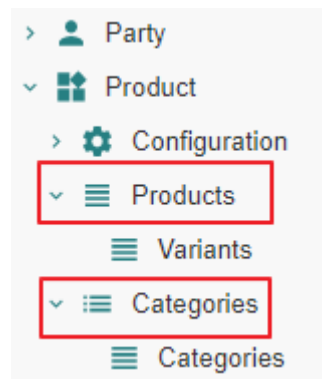
When displaying a list of items, double-click on one of them mostly generates the same result as « <- -> ».

There are however exceptions whereby :

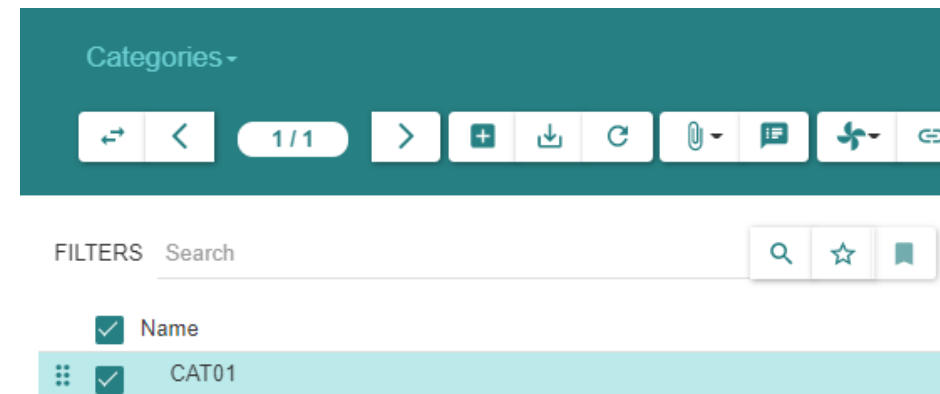
- « <- -> » displays either nothing or details about the item itself.
- « double-click » provides a « drill-down view » of objects belonging to the item

Examples

- « Chart of Accounts » <- -> : displays nothing
- « Chart of Accounts » double-click : displays the transactions for that account
- « Product Category » <- -> : displays details about the category
- « Product Category » double-click : displays the « Products » that belong to this « Category »



Double click or <- -> : same result



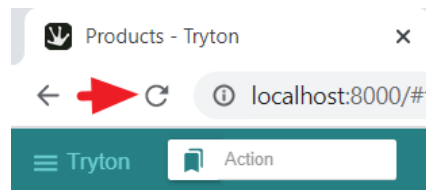
Double click : Products by Category (drill-down)
<- -> : Properties of Category

Application or Entity - Data Refresh Requirements

Sometimes it is necessary to refresh the screen using the « Browser Page Reload » button or the relevant menu item (see below).

This may happen e.g.

- In the case of « Switching » from « Item » view to « List » view. For instance, when state information in a « Sales Order », e.g. « Draft », has been changed in the « Item » view it might incorrectly persist in the « List » view though it has evolved e.g. to « Confirmed ».
- In the case of updating the « List of Product » sold by a « Supplier » then displaying the « Product » to show the « List of Suppliers »
- In the case of adding a « Product Variant » in the « List of Variants », it is necessary to refresh the « Product » itself to take the variant into account on the screen



Modules

Motivation

The « Application » is implemented by « Modules » that use « Database Tables » and « Files » optionally. Modules are not *explicitly* grouped into functional subject areas.

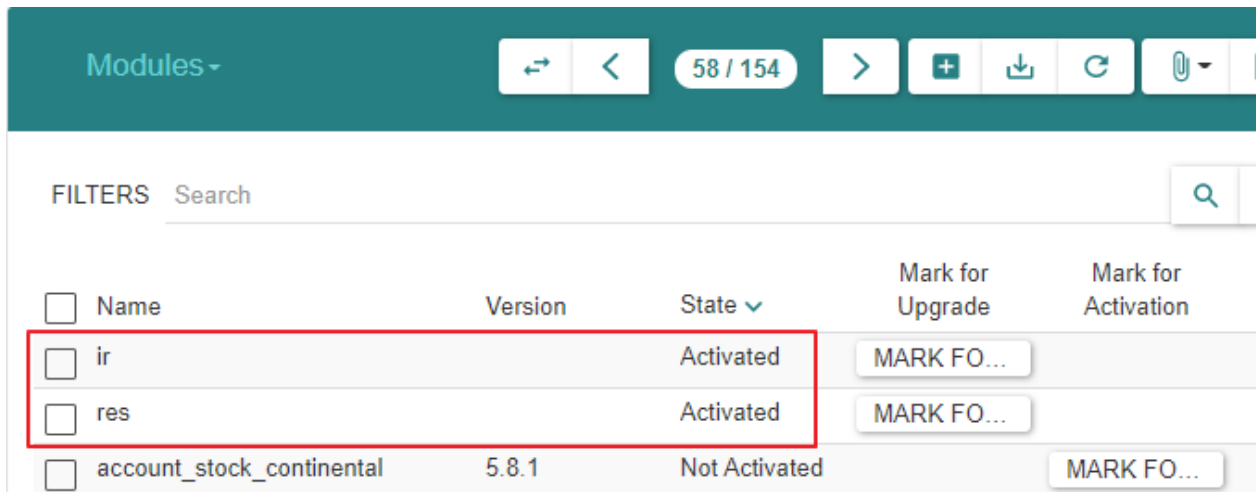
Initially, all but two modules (« ir » & « res ») are inactivated : see below.

The activation relies technically

- Either on the usage of wizards and a mutual dependency mechanism.
- Or based on their name by grouping them based on their prefix.

When modules are activated,

- The database tables they use are created if required.
- The menu items are added in the Tree on the left of the screen.



| <input type="checkbox"/> Name | Version | State ▼ | Mark for Upgrade | Mark for Activation |
|--|---------|---------------|------------------|---------------------|
| <input type="checkbox"/> ir | | Activated | MARK FO... | |
| <input type="checkbox"/> res | | Activated | MARK FO... | |
| <input type="checkbox"/> account_stock_continental | 5.8.1 | Not Activated | | MARK FO... |

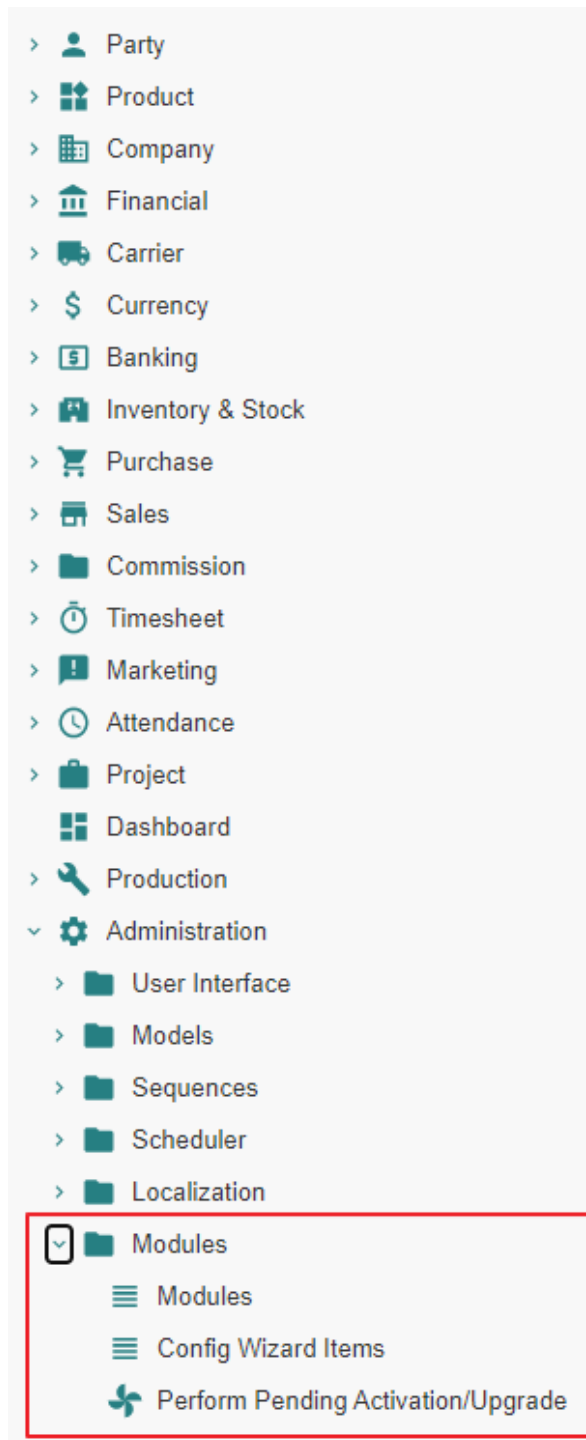
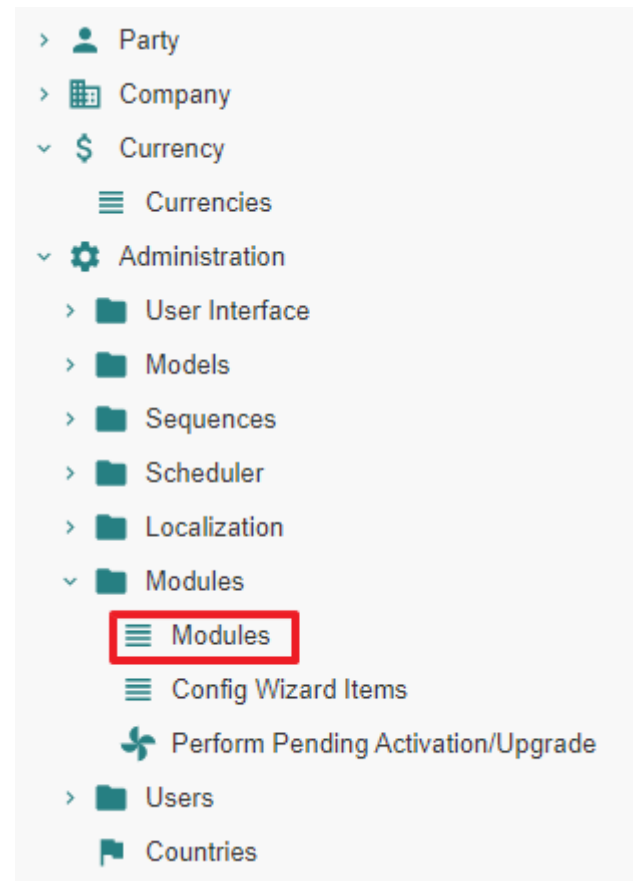
Modules

- Tryton optimizes operations by requiring activation of application modules.
- We will activate modules as we progress instead of activating all modules at once

| Modules | | | | | | |
|---|---------|---------------|------------------|---------------------|-------------------|-----|
| 144 / 1... | | | | | | |
| Perform Pending Activation/Upgrade | | | | | | |
| Translate view | | | | | | |
| <input type="checkbox"/> Name | Version | State | Mark for Upgrade | Mark for Activation | Cancel Activation | Car |
| <input type="checkbox"/> res | | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> party_relationship | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> ir | | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> currency | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> party | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> country | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> party_siret | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> user_role | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> company | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> company_work_time | 5.8.1 | Activated | MARK FOR UPGRADE | | | |
| <input type="checkbox"/> stock_supply | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | | |
| <input type="checkbox"/> stock_secondary_unit | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | | |

Modules

Growing list of menu items : initial & final list of menu items as modules are being installed



Modules

| Entity | Module activation | User handling |
|--------------------------------|-------------------|-----------------------------|
| Product | product-* | Creating product & variants |
| Party associated with Purchase | purchase-* | Creating supplier |
| Supplier Invoice | | |
| Supplier Shipment | stock-* | |
| Purchase | purchase-* | Creating purchase order |
| Supplier Shipment | | Creating supplier shipment |
| Supplier Invoice | | Creating supplier invoice |

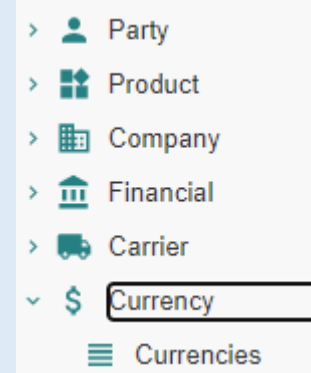
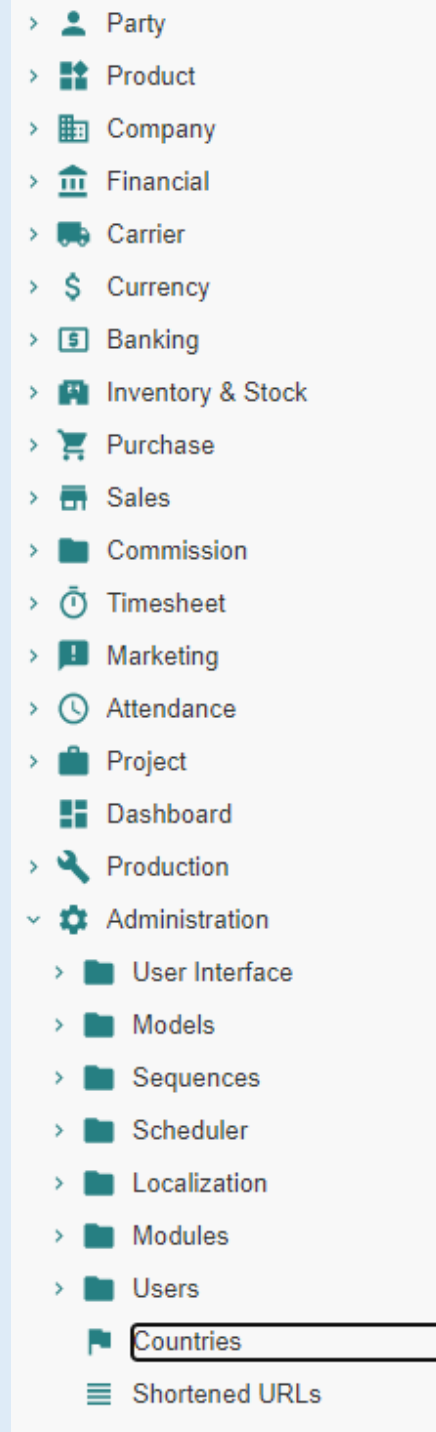
Functional intent of module can be derived from its name

Basic Configuration

Motivation

- Before examining the typical ERP transactions like « Sales », etc. we need to activate modules that support the different subject areas.
- This link refers to official documentation about a « basic configuration » :
https://tryton-administration-manual.readthedocs.io/en/latest/basic_config.html

« Country » & « Currency »



Motivation

The TRYTON database and application contain minimal database tables and application modules.

« Countries » and « Currencies » are extensively used. Hence, it is advised to :

1. Activate the corresponding application modules thereby also creating the required tables in the database.
2. Load the created tables with ISO normalised « Currency » and « Country » data

Documentation

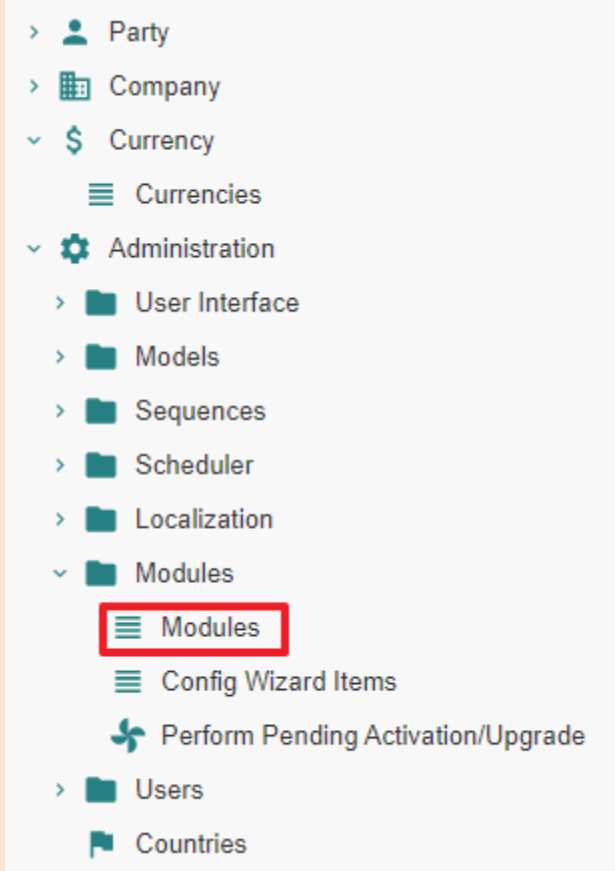
<https://docs.tryton.org/projects/modules-country/en/latest/>

| Country ▲ | Alpha-2 code ◆ | Alpha-3 code ◆ | Numeric ◆ |
|--|----------------|----------------|-----------|
| Afghanistan | AF | AFG | 004 |
| Albania | AL | ALB | 008 |
| Belgium | BE | BEL | 056 |
| Congo (the Democratic Republic of the) | CD | COD | 180 |

Documentation

<https://docs.tryton.org/projects/modules-currency/en/latest/>

| Country ▲ | Currency ⇅ | Code ⇅ | Number ⇅ |
|--|----------------------|--------|----------|
| AFGHANISTAN | Afghani | AFN | 971 |
| ALBANIA | Lek | ALL | 008 |
| | | | |
| CONGO (THE DEMOCRATIC REPUBLIC OF THE) | Congolese Franc | CDF | 976 |
| | | | |
| UNITED STATES OF AMERICA (THE) | US Dollar | USD | 840 |
| UNITED STATES OF AMERICA (THE) | US Dollar (Next day) | USN | 997 |
| | | | |



Application - Activating the Modules

Mark « Country » & « Currency » For Activation then Execute

Modules

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FILTERS

Search

| <div><div>▢</div><div>Name</div><div>▼</div></div> | Version | State | Mark for Upgrade | Mark for Activation |
|---|---------|-----------------|------------------|---------------------|
| <div><div>▢</div><div>company</div></div> | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... |
| <div><div>▢</div><div>company_work_time</div></div> | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... |
| <div><div>✓</div><div>country</div></div> | 5.8.1 | To be activated | | CANCEL ACTIVATION |
| <div><div>✓</div><div>currency</div></div> | 5.8.1 | To be activated | | CANCEL ACTIVATION |

Perform Pending Activation/Upgrade

Cancel Activation

Translate view

Perform Pending Activation/Upgrade (currency, country)



Your system will be upgraded.
Note that this operation may take a few minutes.

Modules to update

country: to activate
currency: to activate

Perform Pending Activation/Upgrade (currency, country)



The modules have been upgraded / activated.

✓ OK

State « Post »

Modules ▾

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FILTERS Search

| <input type="checkbox"/> Name | Version | State ▾ | Mark for Upgrade | Mark for Activation |
|--|---------|---------------|------------------|---------------------|
| <input type="checkbox"/> res | | Activated | MARK FOR UPGRADE | |
| <input type="checkbox"/> currency | 5.8.1 | Activated | MARK FOR UPGRADE | |
| <input type="checkbox"/> ir | | Activated | MARK FOR UPGRADE | |
| <input type="checkbox"/> country | 5.8.1 | Activated | MARK FOR UPGRADE | |
| <input type="checkbox"/> account_product | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... |
| <input type="checkbox"/> account_statement_aeb43 | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... |

▾ \$ Currency

☰ Currencies

▾ ⚙ Administration

> 📁 User Interface

> 📁 Models

> 📁 Sequences

> 📁 Scheduler

> 📁 Localization

> 📁 Modules

> 📁 Users

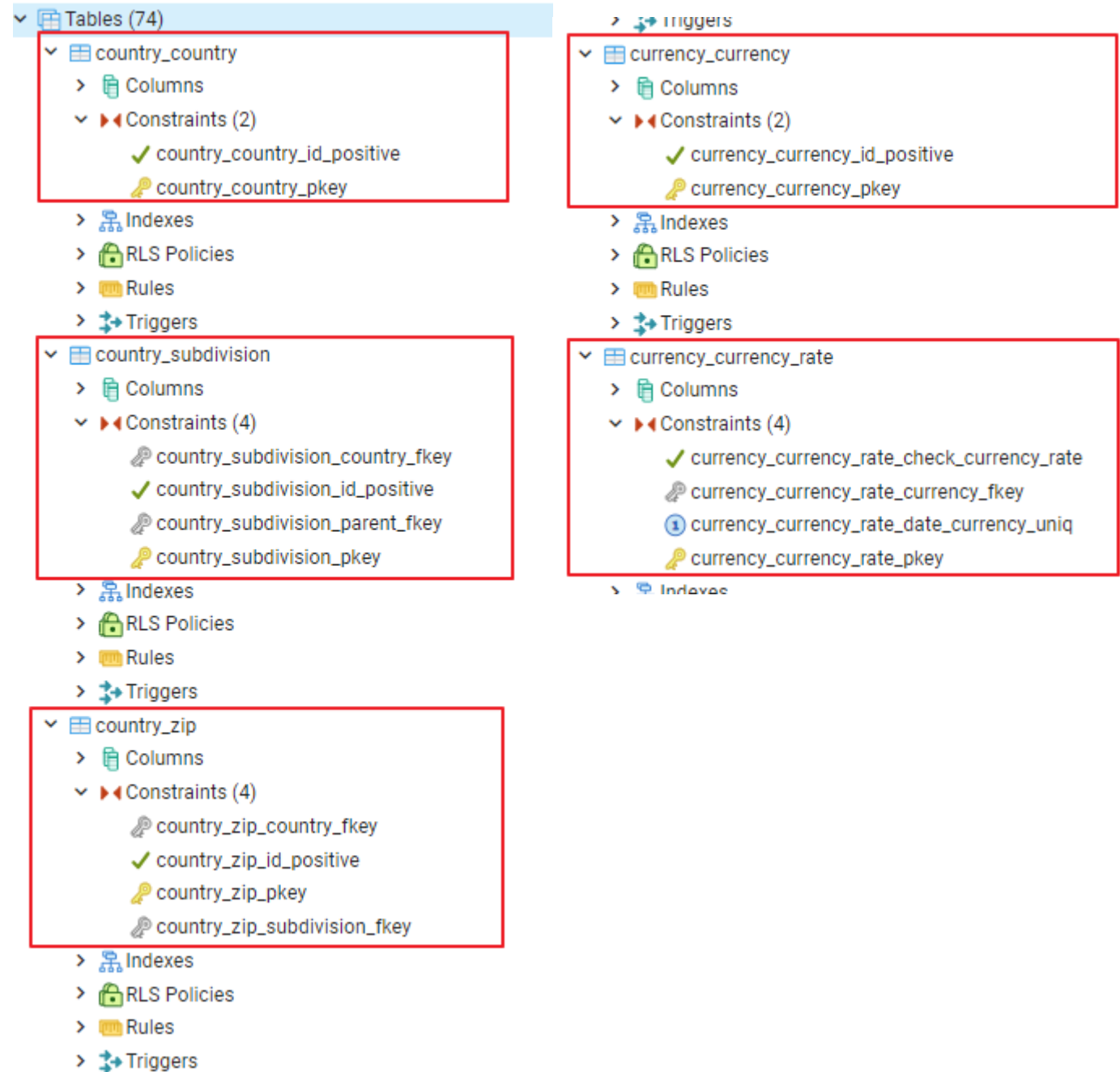
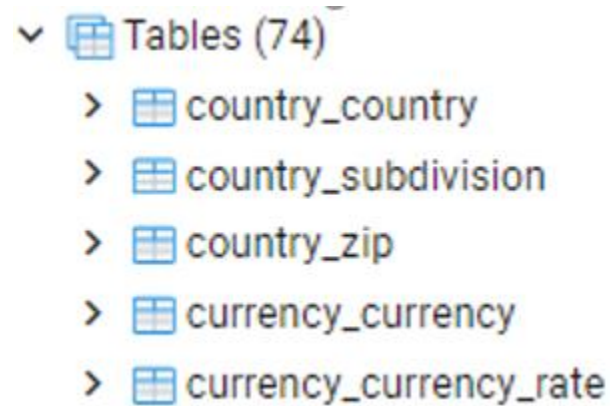
📁 Countries

Note :

- Use TRYTON « Reload » operation to refresh and display
- « Countries » & « Currencies » appear in the Tree Menus
- When clicking on « Countries or « Currencies », the data panel remains empty : we still need to load the database tables

State « Post »

- There are 3 additional « country » tables
- There are 2 additional « currency » tables
- All tables are still empty



Database – Loading the Tables

Documentation

[<https://discuss.tryton.org/t/data-base-importing-countries-or-currencies/3811/7>]

« Currency » - Load data

`docker exec --interactive --tty tryton /entrypoint.sh python3 -m trytond.modules.currency.scripts.import_currencies -d tryton`

```
PS C:\tryt.01\tuto.01> docker exec --interactive --tty tryton /entrypoint.sh python3 -m trytond.modules.currency.scripts.import_currencies -d tryton
/usr/lib/python3/dist-packages/werkzeug/routing.py:1431: DeprecationWarning: invalid escape sequence \s
"""
/usr/lib/python3/dist-packages/passlib/context.py:231: DeprecationWarning: invalid escape sequence \;
elif any(c in source for c in "\n\r\t") or not source.strip("\t./\;:"):
/usr/lib/python3/dist-packages/passlib/context.py:2240: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/passlib/context.py:2323: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/passlib/context.py:2406: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/ldap3/utils/ciDict.py:30: DeprecationWarning: Using or importing the ABCs from 'collections' instead of from 'collections.abc' is deprecated, and
in 3.8 it will stop working
class CaseInsensitiveDict(collections.MutableMapping):
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:130: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:175: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:334: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:494: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:538: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/namedval.py:54: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3.7/importlib/_bootstrap.py:219: ImportWarning: can't resolve package from __spec__ or __package__, falling back on __name__ and __path__
return f(*args, **kws)
/usr/lib/python3/dist-packages/zeep/xsd/visitor.py:428: DeprecationWarning: invalid escape sequence \[
match = re.match('([^\[]+)', array_type)
/usr/lib/python3/dist-packages/PyPDF2/generic.py:357: DeprecationWarning: invalid escape sequence \c
to_b = b_("\c")
Update currencies
PS C:\tryt.01\tuto.01> 
```

« Currency » - Load data

currency_currency

- > Columns
- > Constraints
- > Indexes
- > RLS Policies
- > Rules
- > Triggers

Data Output Explain Messages Notifications

| | id [PK] integer | active boolean | code character varying (3) | create_date timestamp without time zone | create_uid integer | digits integer | name character varying | numeric_code character varying (3) | rounding numeric | symbol character varying (10) |
|----|--------------------|-------------------|-------------------------------|--|-----------------------|-------------------|---------------------------|---------------------------------------|---------------------|----------------------------------|
| 1 | 1 | true | AED | 2021-03-07 16:47:11.140739 | 1 | 2 | UAE Dirham | 784 | 0.01 | د.إ. |
| 2 | 2 | true | AFN | 2021-03-07 16:47:11.140739 | 1 | 2 | Afghani | 971 | 0.01 | Afs |
| 3 | 3 | true | ALL | 2021-03-07 16:47:11.140739 | 1 | 2 | Lek | 008 | 0.01 | L |
| 4 | 4 | true | AMD | 2021-03-07 16:47:11.140739 | 1 | 2 | Armenian Dram | 051 | 0.01 | AMD |
| 5 | 5 | true | ANG | 2021-03-07 16:47:11.140739 | 1 | 2 | Netherlands Antillean ... | 532 | 0.01 | NAƒ |
| 6 | 6 | true | AOA | 2021-03-07 16:47:11.140739 | 1 | 2 | Kwanza | 973 | 0.01 | Kz |
| 7 | 7 | true | ARS | 2021-03-07 16:47:11.140739 | 1 | 2 | Argentine Peso | 032 | 0.01 | \$ |
| 8 | 8 | true | AUD | 2021-03-07 16:47:11.140739 | 1 | 2 | Australian Dollar | 036 | 0.01 | \$ |
| 9 | 9 | true | AWG | 2021-03-07 16:47:11.140739 | 1 | 2 | Aruban Florin | 533 | 0.01 | f |
| 10 | 10 | true | AZN | 2021-03-07 16:47:11.140739 | 1 | 2 | Azerbaijani Manat | 944 | 0.01 | AZN |
| 11 | 11 | true | BAM | 2021-03-07 16:47:11.140739 | 1 | 2 | Convertible Mark | 977 | 0.01 | KM |
| 12 | 12 | true | BBD | 2021-03-07 16:47:11.140739 | 1 | 2 | Barbados Dollar | 052 | 0.01 | Bds\$ |

« Country » - Load data

`docker exec --interactive --tty tryton /entrypoint.sh python3 -m trytond.modules.country.scripts.import_countries -d tryton`

```
PS C:\tryt.01\tuto.01> docker exec --interactive --tty tryton /entrypoint.sh python3 -m trytond.modules.country.scripts.import_countries -d tryton
/usr/lib/python3/dist-packages/werkzeug/routing.py:1431: DeprecationWarning: invalid escape sequence \s
"""
/usr/lib/python3/dist-packages/passlib/context.py:231: DeprecationWarning: invalid escape sequence \;
elif any(c in source for c in "\n\r\t") or not source.strip("\t./\;:"):
/usr/lib/python3/dist-packages/passlib/context.py:2240: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/passlib/context.py:2323: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/passlib/context.py:2406: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/ldap3/utils/ciDict.py:30: DeprecationWarning: Using or importing the ABCs from 'collections' instead of from 'collections.abc' is deprecated, and
in 3.8 it will stop working
class CaseInsensitiveDict(collections.MutableMapping):
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:130: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:175: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:334: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:494: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/constraint.py:538: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3/dist-packages/pyasn1/type/namedval.py:54: DeprecationWarning: invalid escape sequence \*
"""
/usr/lib/python3.7/importlib/_bootstrap.py:219: ImportWarning: can't resolve package from __spec__ or __package__, falling back on __name__ and __path__
return f(*args, **kws)
/usr/lib/python3/dist-packages/zeep/xsd/visitor.py:428: DeprecationWarning: invalid escape sequence \[
match = re.match('([^\[]+)', array_type)
/usr/lib/python3/dist-packages/PyPDF2/generic.py:357: DeprecationWarning: invalid escape sequence \c
tok = b_("\c")
Update countries
Update subdivisions
Update subdivisions parent
Update subdivisions en
PS C:\tryt.01\tuto.01>
```


« Country » - Load data

country_country

- > Columns
- > Constraints
- > Indexes
- > RLS Policies
- > Rules
- > Triggers

country_country

- > Columns
- > Constraints
- > Indexes
- > RLS Policies
- > Rules
- > Triggers
- > country_country
- > country_country
- > currency_country
- > currency_country
- > ir_action
- > ir_action-re
- > ir_action_e
- > ir_action_e
- > ir_action_e
- > ir_action_e

Create

- Refresh...
- Count Rows
- Delete/Drop
- Drop Cascade
- Reset Statistics
- Import/Export...
- Maintenance...
- Scripts
- Truncate
- Backup...
- Restore...
- View/Edit Data
- Search Objects

All Rows

First 100 Rows

Data Output

Explain

Messages

Notifications

id [PK] integer

active boolean

code character varying (2)

code3 character varying (3)

code_numeric character varying

create_date timestamp without time zone

create_uid integer

name character varying

10 Rows

1 Rows...

| | | | | | | | | |
|----|----|------|----|-----|-----|---------------------------|---|---------------------------|
| 1 | 1 | true | AW | ABW | 533 | 2021-03-07 16:50:01.80037 | 1 | Aruba |
| 2 | 2 | true | AF | AFG | 004 | 2021-03-07 16:50:01.80037 | 1 | Afghanistan |
| 3 | 3 | true | AO | AGO | 024 | 2021-03-07 16:50:01.80037 | 1 | Angola |
| 4 | 4 | true | AI | AIA | 660 | 2021-03-07 16:50:01.80037 | 1 | Anguilla |
| 5 | 5 | true | AX | ALA | 248 | 2021-03-07 16:50:01.80037 | 1 | Åland Islands |
| 6 | 6 | true | AL | ALB | 008 | 2021-03-07 16:50:01.80037 | 1 | Albania |
| 7 | 7 | true | AD | AND | 020 | 2021-03-07 16:50:01.80037 | 1 | Andorra |
| 8 | 8 | true | AE | ARE | 784 | 2021-03-07 16:50:01.80037 | 1 | United Arab Emirates |
| 9 | 9 | true | AR | ARG | 032 | 2021-03-07 16:50:01.80037 | 1 | Argentina |
| 10 | 10 | true | AM | ARM | 051 | 2021-03-07 16:50:01.80037 | 1 | Armenia |
| 11 | 11 | true | AS | ASM | 016 | 2021-03-07 16:50:01.80037 | 1 | American Samoa |
| 12 | 12 | true | AQ | ATA | 010 | 2021-03-07 16:50:01.80037 | 1 | Antarctica |
| 13 | 13 | true | TF | ATF | 260 | 2021-03-07 16:50:01.80037 | 1 | French Southern Territ... |

State « Post »

- ▼ \$ Currency
 - Currencies
- ▼ Administration
 - > User Interface
 - > Models
 - > Sequences
 - > Scheduler
 - > Localization
 - > Modules
 - > Users
 - Countries

Currencies

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FILTERS Search

| <input type="checkbox"/> | Name | Symbol |
|-------------------------------------|------------|--------|
| <input checked="" type="checkbox"/> | UAE Dirham | د.إ. |
| <input type="checkbox"/> | Afghani | Afs |
| <input type="checkbox"/> | Lek | L |

- ▼ \$ Currency
 - Currencies
- ▼ Administration
 - > User Interface
 - > Models
 - > Sequences
 - > Scheduler
 - > Localization
 - > Modules
 - > Users
 - Countries

- > \$ Currency
- ▼ Administration
 - > User Interface
 - > Models
 - > Sequences
 - > Scheduler
 - > Localization
 - > Modules
 - > Users
 - Countries

Countries

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FILTERS Search

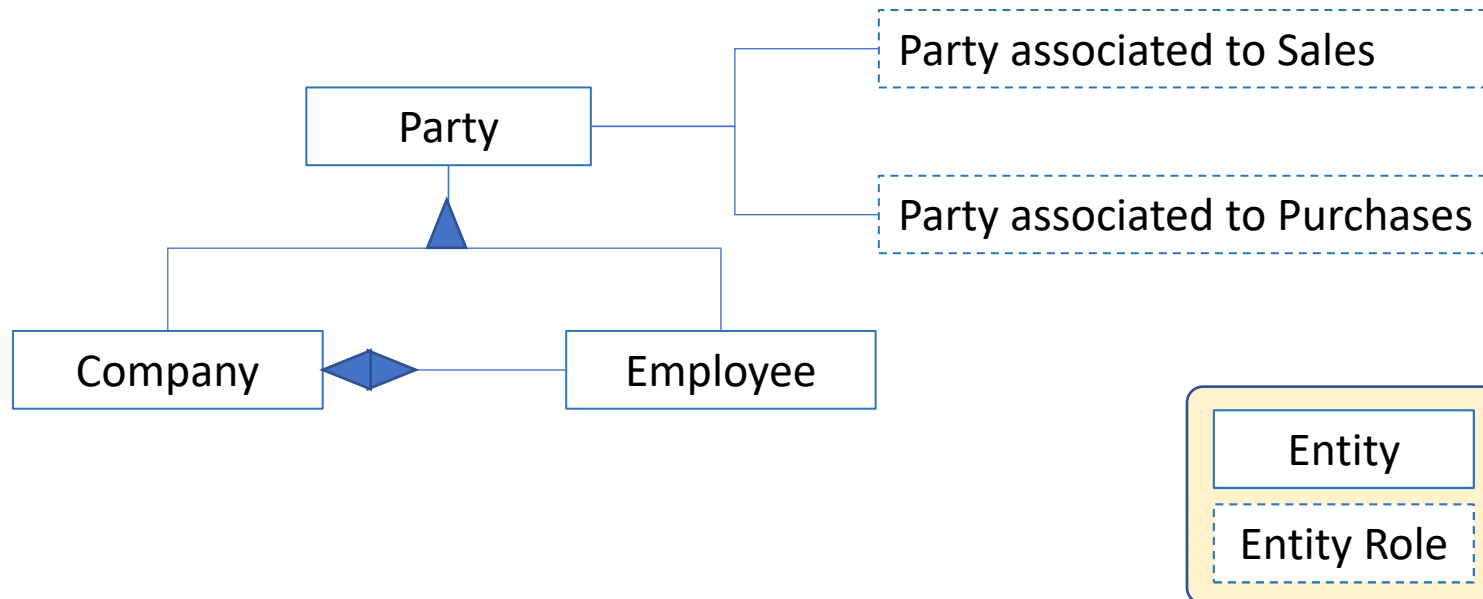
| <input type="checkbox"/> | Name | Code |
|-------------------------------------|---------------|------|
| <input checked="" type="checkbox"/> | Afghanistan | AF |
| <input type="checkbox"/> | Åland Islands | AX |
| <input type="checkbox"/> | Albania | AL |

« Party » & « Company » & « Employee »

Motivation

We activate modules and create database content related to the following entities :

1. « Party » : an entity that represents some ERP-relevant actor
2. « Company » : a specialized « Party » entity
3. « Employee » : a specialized « Party » entity
4. « Parties associated to Sales » : a « Party » role (activated and installed later)
5. « Parties associated to Purchases » : a « Party » role (activated and installed later)



Motivation

« User » vs. « Party »

- A « User » is a user of the system with login and password.
- A « User » is not a « Party ».
- A « User » is not necessarily an « Employee » of the « Company ». F.i. he/she can be a consultant.
- The default user is « admin ».

Query Editor

Query History

1 SELECT * FROM public.res_user

2 ORDER BY id ASC










Please click here to see the full query history

Data Output

Explain

Messages

Notifications

|  | id [PK] integer  | name character varying  | active boolean  | login character varying  | password character varying  | create_date timestamp without time zone  | create_uid integer  | email character varying  |
|---|--|---|---|--|---|--|---|--|
| 1 | 0 | Root | false | root | [null] | 2021-03-07 14:58:18.230466 | 0 | [null] |
| 2 | 1 | Administrator | true | admin | [null] | 2021-03-07 14:58:17.920657 | 0 | <div><div></div>@gmail.com</div> |
| 3 | 2 | Gustave | false | gustave | [null] | 2021-03-13 11:33:57.787455 | 1 | |

The content of the « res_user » database table with « User » entities

Query Editor

Query History

1 SELECT * FROM public.party_party

2 ORDER BY id ASC

Data Output

Explain

Messages

Notifications

| | id [PK] integer | active boolean | code character varying | create_date timestamp without time zone | create_uid integer | name character varying |
|---|--------------------|-------------------|---------------------------|--|-----------------------|---------------------------|
| 1 | 1 | true | 1 | 2021-03-08 10:36:31.925876 | 1 | COM01 |
| 2 | 2 | true | 2 | 2021-03-08 10:50:59.083771 | 1 | EMP01 |
| 3 | 3 | true | 3 | 2021-03-09 09:44:48.52222 | 1 | SUP01 |

The content of the « party_party » database table with « Company », « Employee » and « Supplier » (installed later) entities

« Party »

Motivation

A « Party » is an abstract entity that stands for the common properties of a specialized concrete entity such as « Company », « Employee », « Party associated to Purchase », etc.

We activate the modules that relate to « Party ». Subsequently, we define concrete parties :

The first approach for defining a specialized entity is :

- First define a « Party » with the idea that it will be referenced by a specialized entity.
- Subsequently define the specialized entity (e.g. a « Company ») with reference to its generic « Party » parent.

The second approach for defining a specialized entity is :

- Define the specialized entity like « Company »
- Doing so, the system lets you create the generic « Party » entity on the fly

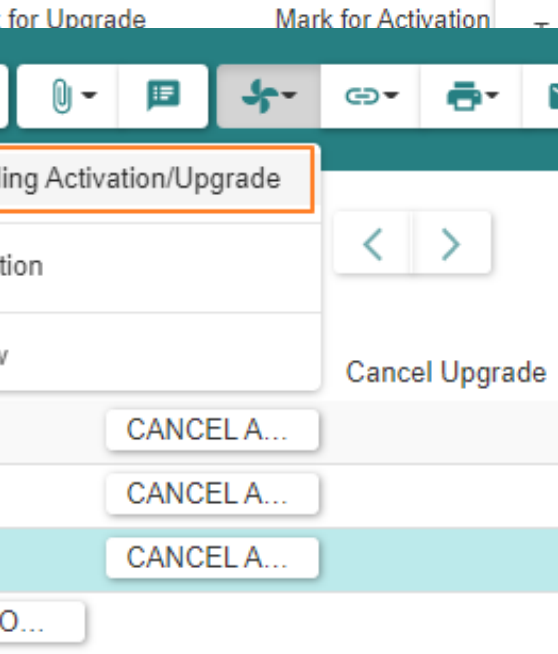
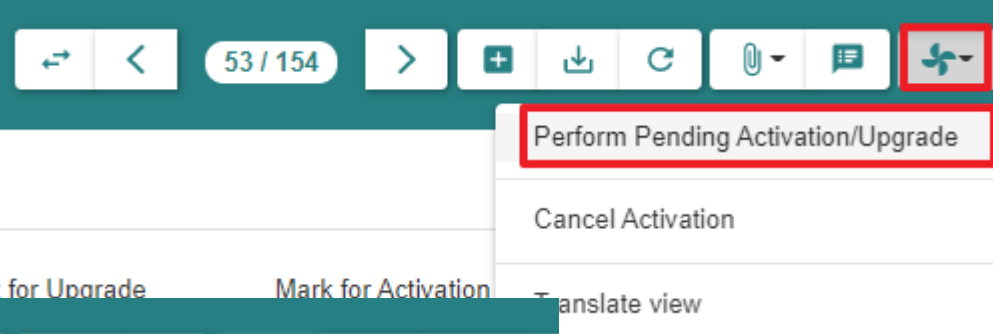
Module Activation

Documentation

[<https://docs.tryton.org/en/latest/party.html#index-party>]

Modules - Activation

We ensure that all « Party » modules are activated



| | | | |
|--------------------------|--------------------|-------|-----------|
| <input type="checkbox"/> | party | 5.8.1 | Activated |
| <input type="checkbox"/> | party_relationship | 5.8.1 | Activated |
| <input type="checkbox"/> | party_siret | 5.8.1 | Activated |

Perform Pending Activation/Upgrade (party_siret, party, party_relationship)

i

Your system will be upgraded.
Note that this operation may take a few minutes.

Modules to update

party: to activate
party_relationship: to activate
party_siret: to activate

Status Post - Menu Tree Items « Party »

Menu Tree Items « Party »

- Party
 - Parties
 - Addresses
 - Contact Mechanisms
 - > Categories
 - Party Relations

Parties

1 / 1

Name:

Code:

Active:

☒

General

Identifiers

Relations

Addresses

1 / 1

Party Name:

Active:

☒

Sequence:

Building Name:

SIRET NIC:

SIRET:

Street:

Zip:

City:

Country:

Subdivision:

Language:

Contact Mechanisms

0 / 0

Categories

Type

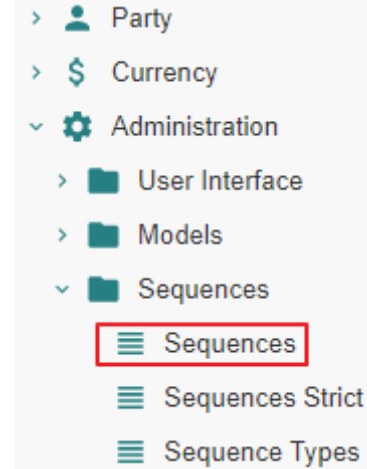
Value

Name

URL

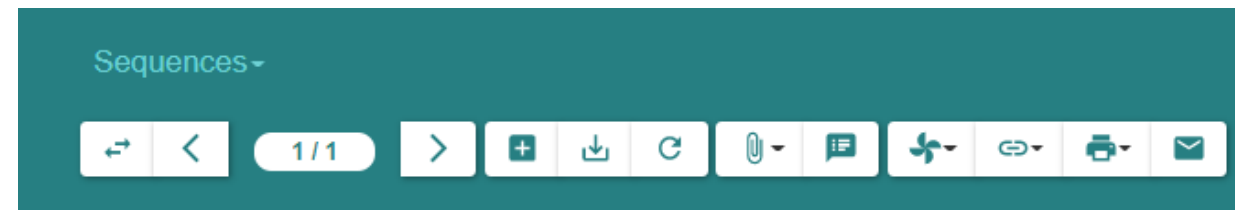
Record Name

Status Post - Menu Tree Item « Sequence »



FILTERS Search

| | Sequence Code | Type |
|---|---------------|-------------|
| <input type="checkbox"/> Sequence Name | | |
| <input checked="" type="checkbox"/> Party | Party | Incremental |



Sequence Name: Party

Sequence Code: Party Active: ☒

Prefix: Suffix:

Type: Incremental

Incremental

Number padding: 0 Increment Number: 1
















Next Number: 1

Legend (Placeholders for prefix, suffix)

Year: \${year}
Month: \${month}
Day: \${day}

**It is possible to integrate
this information within the
prefix or the suffix number**

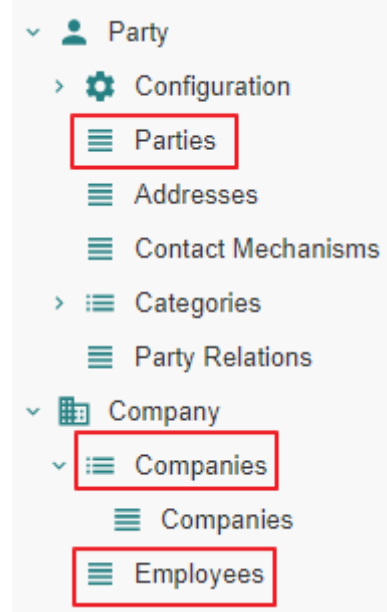
Database tables created

- ▼  Tables (93)
 - >  company_company
 - >  company_employee
 - >  party_address
 - >  party_address_format
 - >  party_address_subdivision_type
 - >  party_category
 - >  party_category_rel
 - >  party_configuration
 - >  party_configuration_party_lang
 - >  party_configuration_party_sequence
 - >  party_contact_mechanism
 - >  party_identifier
 - >  party_party
 - >  party_party_lang

Creation of Parties

« Party », « Company » & « Employee »

- A « Party » is an abstract entity.
- Its concrete subentities are of type « Company », « Employee », etc.
- We can define the corresponding abstract and concrete entities in two ways :
- **Method 1 :**
 - We define a « Party » « X » or « Y » by clicking on « Parties », and fill their properties conformant those inherited by the concrete entity
 - Subsequently, we define :
 - The « Company » « X » by referencing its corresponding « Party » « X »
 - The « Employee » « Y » by referencing its corresponding « Party » « Y »
- **Method 2 :**
 - We define a « Party » « X » or « Y » by clicking on « Parties », and fill their properties conformant those inherited by the concrete entity
 - We define the « Company » « X » by clicking on « Companies » and in doing so we create « Party » « X » in the process
 - We define the « Employee » « Y » by clicking on « Employees » and in doing so we create « Party » « Y » in the process
- We will use Method 1 for defining a « Company » COM01
- We will use Method 2 for defining an « Employee » EMP01



« Company »

Modules - Activation

We ensure that all « Company » modules are activated

Modules

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FILTERS Search

| <input type="checkbox"/> | Name | Version | State | Mark for Upgrade |
|-------------------------------------|-------------------|---------|-----------------|------------------|
| <input checked="" type="checkbox"/> | company | 5.8.1 | To be activated | |
| <input checked="" type="checkbox"/> | company_work_time | 5.8.1 | To be activated | |

Modules

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FILTERS Search

| <input type="checkbox"/> | Name | Version | State |
|--------------------------|-------------------|---------|-----------|
| <input type="checkbox"/> | company | 5.8.1 | Activated |
| <input type="checkbox"/> | company_work_time | 5.8.1 | Activated |

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Perform Pending Activation/Upgrade

Cancel Activation

Translate view

Mark for Activation

Perform Pending Activation/Upgrade (company, company_work_time)

i

Your system will be upgraded.
Note that this operation may take a few minutes

Modules to update

company: to activate

company_work_time: to activate

Modules - Activation - Summary State

Modules

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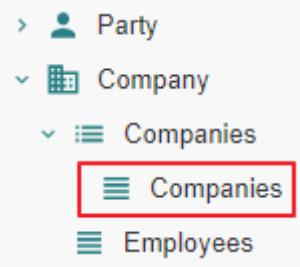
FILTERS

Search

| | Name | Version | State | Mark for Upgrade |
|-------------------------------------|--------------------|---------|-----------|------------------|
| <input type="checkbox"/> | res | | Activated | MARK FOR UPGR... |
| <input checked="" type="checkbox"/> | party_siret | 5.8.1 | Activated | MARK FOR UPGR... |
| <input type="checkbox"/> | country | 5.8.1 | Activated | MARK FOR UPGR... |
| <input type="checkbox"/> | currency | 5.8.1 | Activated | MARK FOR UPGR... |
| <input checked="" type="checkbox"/> | party | 5.8.1 | Activated | MARK FOR UPGR... |
| <input checked="" type="checkbox"/> | party_relationship | 5.8.1 | Activated | MARK FOR UPGR... |
| <input checked="" type="checkbox"/> | company | 5.8.1 | Activated | MARK FOR UPGR... |
| <input checked="" type="checkbox"/> | company_work_time | 5.8.1 | Activated | MARK FOR UPGR... |
| <input type="checkbox"/> | ir | | Activated | MARK FOR UPGR... |

Modules - Activation

- Activating the « Company » modules creates the Menu Tree Items for « Company » as well as « Employee »
- When an indented Menu Tree Item construction exists, it means that e.g. « Companies » can be displayed as a tree of « Companies » as well as a list.
 - The top level « Company » menu will display the « Companies » in a tree manner.
 - The bottom level « Company » will display the « Companies » in a list manner.



Create « Company » COM01

Step 1

Create the « Party » COM01

Party

Name: Code: Active: ☒

General Identifiers Relations

Addresses ↔ < 1 / 1 >

Party Name: Active: ☒ Sequence:

Building Name: SIRET NIC: SIRET:

Street:

Zip: City:

Country: Subdivision:

Step 2

Create the concrete « Company » entity COM01 that references the abstract « Party » entity COM01

Companies ↔ < 1 / 1 > + ↓ ↺ 📎 💬 🔄 🔗 🖨️ ✉️

Party: ☒ COM01 × Currency: ☒ Euro × Timezone:

Company Work Time Reports

Parent:

Employees ↔ < 0 / 0 > + 🔗 🗑️ ↺

| <input type="checkbox"/> | Party | Supervisor | Start Date | End Date |
|--------------------------|-------|------------|------------|----------|
|--------------------------|-------|------------|------------|----------|

« Employee »

Modules - Activation

- By activating the « Company » modules, both the « Company » and « Employee » parties are made available
- There are no « Employee » modules to activate

Creating « Employee » EMP01

Employees -

Party: EMP01 Company: COM01

Start Date: 2021-04-01 End Date:

Supervisor:

Party

Name: EMP01 Code: 2

General Identifiers Relations

Addresses

Party Name: EMP01

Building Name:

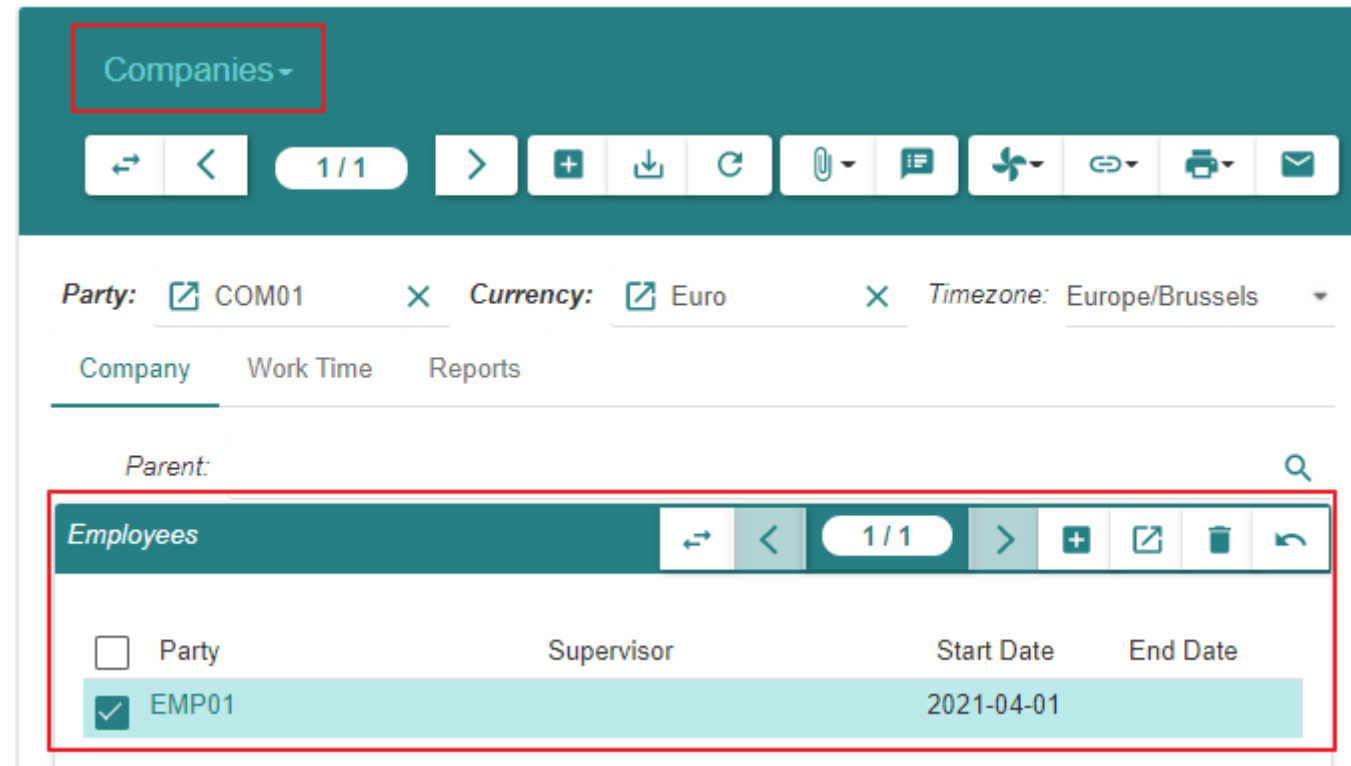
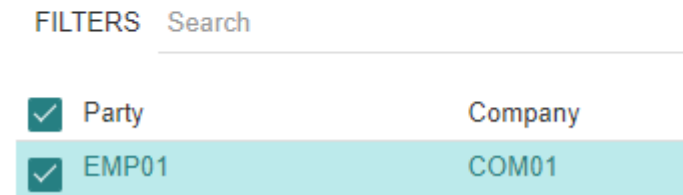
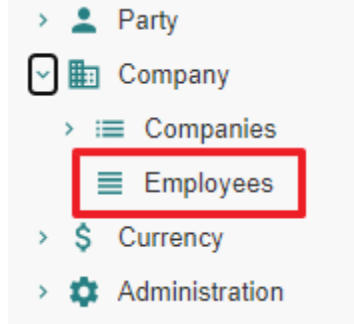
- > Party
- > Company
 - > Companies
 - Employees**
- > Currency
- > Administration

- We create « Employee » EMP01
- In the process,
 - We create its corresponding « Party » EMP01
 - We reference the existing « Company » COM01

Creating « Employee » EMP01



- The « Employee » appears now
 - In the list of employees
 - In the list of employees for « Company » COM01



Final State

« Party », « Company », « Employee »

| Parties | | | | |
|---------------------------------------|-------|----------|----------------|-------|
| <div>1/2</div> | | | | |
| FILTERS Search | | | | |
| <input type="checkbox"/> Code | Name | Language | Tax Identifier | SIREN |
| <input checked="" type="checkbox"/> 1 | COM01 | | | |
| <input type="checkbox"/> 2 | EMP01 | French | | |

Note : this is one of these cases where you need to refresh the browser in order to appropriately display the parties that were just defined.

| Companies | |
|---|----------|
| <div>1/1</div> | |
| FILTERS Search | |
| <input type="checkbox"/> Party | Currency |
| <input checked="" type="checkbox"/> COM01 | Euro |

| Employees | | | | |
|---|---------|------------|------------|----------|
| <div>1/1</div> | | | | |
| FILTERS Search | | | | |
| <input type="checkbox"/> Party | Company | Supervisor | Start Date | End Date |
| <input checked="" type="checkbox"/> EMP01 | COM01 | | 2021-02-01 | |

« User »

Definitions : « User » and « Employee »

- An « Employee » is a « Party », a « User » is not
- A « Company » aggregates « Employees », not « Users »
- A « User » references a « Current Company », a « Main Company » and an « Employee »
- A « User » is someone who logs into the system with his/her user id and password
- Thanks to the « User » - « Company » link, the user has the permission to install and display relevant company records
- We will use this relationship to create a Chart of Accounts for « Company » COM01

Users

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Name: Administrator Active: ☒

User Actions Access Permissions Applications Preferences

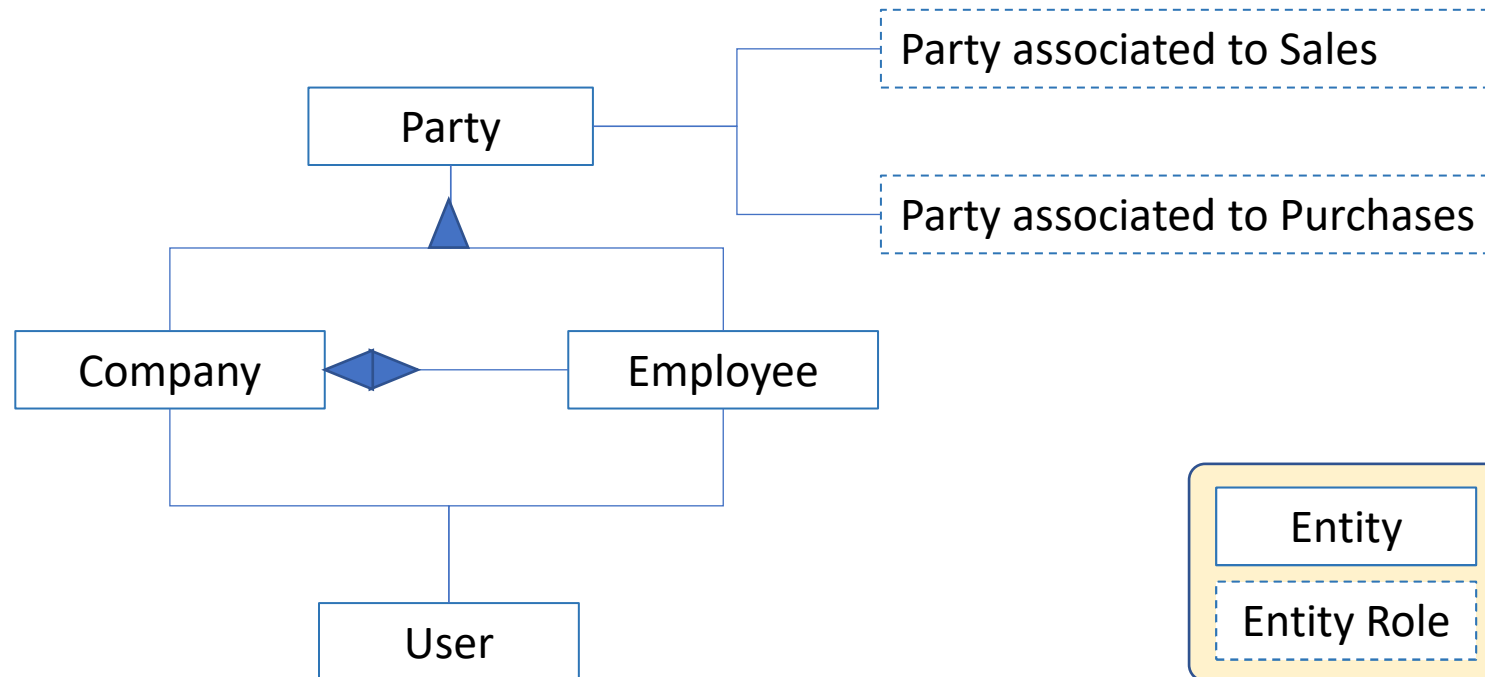
Login: admin Email: x@g.c

Password: SHOW RESET PASSWORD

Main Company: COM01 Current Company: COM01

Current Employee:

Definitions : « User » and « Employee »



Application - Activating Modules

Activating module « User_role »

Modules ▾

↔

<

149 / 1...

>

+

↓

↺

📎

💬

⚙

Perform Pending Activation/Upgrade

| | | | | |
|-------------------------------------|-----------|-------|-----------------|---------------------|
| <input checked="" type="checkbox"/> | user_role | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | user_role | 5.8.1 | To be activated | CANCEL ACTIVATION |

Perform Pending Activation/Upgrade (user_role)

i

Your system will be upgraded.
Note that this operation may take a few minutes.

Modules to update

user_role: to activate

| <div>▾</div> Name | Version | State ▾ | Mark for Upgrade |
|---|---------|-----------|------------------|
| <input checked="" type="checkbox"/> user_role | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> res | | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> party_siret | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> country | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> currency | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> party | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> party_relationship | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> company | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> company_work_time | 5.8.1 | Activated | MARK FOR UPGRADE |
| <input type="checkbox"/> ir | | Activated | MARK FOR UPGRADE |

« User » Administrator

User « Administrator »

Users ▾

1/1

FILTERS Search

| <input type="checkbox"/> | Name | Login | Sessions |
|-------------------------------------|---------------|-------|----------|
| <input checked="" type="checkbox"/> | Administrator | admin | 2 |

Users ▾

1/3

Name: Administrator Active: ☒

User Actions Access Permissions Applications Preferences

Login: admin Email: x@g.c

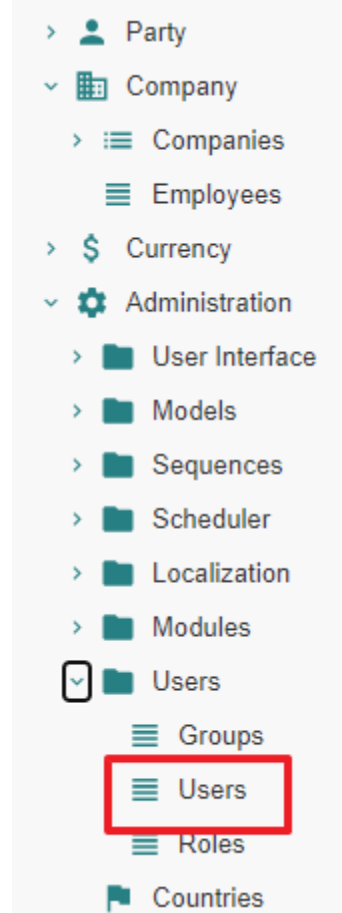
Password: SHOW RESET PASSWORD

Main Company: COM01 Current Company: COM01

Current Employee: EMP01

Employees

| <input type="checkbox"/> | Party | Company | Supervisor | Start Date | End Date |
|-------------------------------------|-------|---------|------------|------------|----------|
| <input checked="" type="checkbox"/> | EMP01 | COM01 | | 2021-04-01 | |



- « User Administrator » is installed by default
- We add a reference to « Company COM01 » and « Employee EMP01 »

« User » Marc & Paula

Motivation

- A « User » is a user of the system with a login and a password.
- The default user is « admin ». I use the password « Password ».
- We install additional users « Marc » & « Paula » without special privileges
- And briefly login then logout to see what is permitted
- From now on, all operations are performed in this basic introduction with « User » « Administrator »

« User Administrator » installs « User Marc »

Users ▾

↔ < 2 / 3 > + ↵ ↻ 📎 🗨️ 🌀 🔗 🖨️ ✉️

Name: Marc Active: ☒

User Actions Access Permissions Applications Preferences

Login: marc Email: 🌐

Password: SHOW

Main Company: COM01 Current Company: COM01

Current Employee:

Employees + -

| <input type="checkbox"/> Party | Company | Supervisor | Start Date | End Date |
|--------------------------------|---------|------------|------------|----------|
|--------------------------------|---------|------------|------------|----------|

- Party
 - Parties
 - Addresses
 - Contact Mechanisms
- Categories
 - Categories
 - Party Relations

- User « Marc » is installed with reference to « Company COM01 »
- When logging in with « User Marc », we observe that the menu tree is reduced.

« User Administrator » installs « User Paula »

Users ▾

3 / 3

Name: Paula Active: ☒

User Actions Access Permissions Applications Preferences

Login: paula Email: p@g.c

Password: SHOW RESET PASSWORD

Main Company: Current Company:

Current Employee:

Employees


| <input type="checkbox"/> | Party | Company | Supervisor | Start Date | End Date |
|--------------------------|-------|---------|------------|------------|----------|
|--------------------------|-------|---------|------------|------------|----------|

- Party
 - Parties
 - Addresses
 - Contact Mechanisms
- Categories
 - Categories
 - Party Relations

- User « Paula » is installed without references to « Company COM01 » and « Employee EMP01 »
- When logging in with « User Paula », we observe that the menu tree is reduced.

« User » Gustave

« User Administtrator » creates then deactivates « User Gustave »

 For logging purposes users cannot be deleted, instead they should be deactivated.

OK

Users ▾

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✉

Name: Gustave

Active: ☐

User


Actions

Access Permissions

Applications

Preferences

Login: gustave

Email: 

Password:

SHOW

Main Company: ▾

Current Company: ▾

Current Employee: ▾

Users ▾

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FILTERS

Search


| | | |
|-------------------------------------|---------------|-------|
| <input type="checkbox"/> | Name | Login |
| <input checked="" type="checkbox"/> | Administrator | admin |
| <input type="checkbox"/> | Marc | marc |
| <input type="checkbox"/> | Paula | paula |

- User « Gustave » is installed then deactivated
- This demonstrates that a user cannot be deleted



State Post

State « Post » - Users











Users X

Administrator 







Users ▾

_ / 3

FILTERS Search

| <input type="checkbox"/> Name | Login | Sessions |
|---|-------|----------|
| <input checked="" type="checkbox"/> Administrator | admin | 2 |
| <input type="checkbox"/> Marc | marc | 0 |
| <input type="checkbox"/> Paula | paula | 0 |

State « Post » - User « Admin »

- Party
 - Configuration
 - Parties
 - Addresses
 - Contact Mechanisms
 - Categories
 - Party Relations
- Company
 - Companies
 - Employees
- Currency
 - Currencies
- Administration
 - User Interface
 - Models
 - Sequences
 - Scheduler
 - Localization
 - Modules
 - Users
 - Countries

Parties - 1 / 2

Name: COM01 Code: 1 Active: ☒

General Identifiers Relations

Addresses 1 / 1

Party Name: COM01 Active: ☒ Sequence:

Building Name: COM01 Building SIRET NIC: SIRET:

Street: //

Zip: City:

Country: Subdivision:

Tryton Action Companies X Administrator

Companies - 1 / 1

Party: COM01 X Currency: Euro X Timezone: Europe/Brussels

Company Work Time Reports

Parent:

Employees 1 / 1

| <input type="checkbox"/> Party | Supervisor | Start Date | End Date |
|---|------------|------------|----------|
| <input checked="" type="checkbox"/> EMP01 | | 2021-04-01 | |

Parties - _ / 2

FILTERS Search

| <input type="checkbox"/> | Code | Name | Language | Tax Identifier | SIREN |
|--------------------------|------|-------|----------|----------------|-------|
| <input type="checkbox"/> | 1 | COM01 | | | |
| <input type="checkbox"/> | 2 | EMP01 | | | |

Tryton Action Parties ✕ Gustave ➔

Parties

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✉️

FILTERS

Search

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| <input type="checkbox"/> | Code | Name | Language | Tax Identifier | SIREN |
|--------------------------|------|-------|----------|----------------|-------|
| <input type="checkbox"/> | 1 | COM01 | | | |
| <input type="checkbox"/> | 2 | EMP01 | | | |

Tryton Action Parties **X** Gustave 

38

State « Post » - Database

| | | | |
|-------------------------------|--------------------------------------|--------------------------------|--------------------------------------|
| ▼ Tables (95) | | | |
| > company_company | > ir_configuration | > ir_model_field_access | > ir_ui_icon |
| > company_employee | > ir_cron | > ir_module | > ir_ui_menu |
| > country_country | > ir_email | > ir_module_config_wizard_item | > ir_ui_menu-res_group |
| > country_subdivision | > ir_email_address | > ir_module_dependency | > ir_ui_menu_favorite |
| > country_zip | > ir_email_template | > ir_note | > ir_ui_view |
| > cron_company_rel | > ir_email_template-ir_action_report | > ir_note_read | > ir_ui_view_search |
| > currency_currency | > ir_export | > ir_queue | > ir_ui_view_tree_state |
| > currency_currency_rate | > ir_export-res_group | > ir_rule | > ir_ui_view_tree_width |
| > ir_action | > ir_export-write-res_group | > ir_rule_group | > party_address |
| > ir_action-res_group | > ir_export_line | > ir_rule_group-res_group | > party_address_format |
| > ir_action_act_window | > ir_lang | > ir_sequence | > party_address_subdivision_type |
| > ir_action_act_window_domain | > ir_message | > ir_sequence_strict | > party_category |
| > ir_action_act_window_view | > ir_model | > ir_sequence_type | > party_category_rel |
| > ir_action_keyword | > ir_model_access | > ir_sequence_type-res_group | > party_configuration |
| > ir_action_report | > ir_model_button | > ir_session | > party_configuration_party_lang |
| > ir_action_url | > ir_model_button-button_reset | > ir_session_wizard | > party_configuration_party_sequence |
| > ir_action_wizard | > ir_model_button-res_group | > ir_translation | > party_contact_mechanism |
| > ir_attachment | > ir_model_button_click | > ir_trigger | > party_identifier |
| > ir_cache | > ir_model_button_rule | > ir_trigger__history | > party_party |
| > ir_calendar_day | > ir_model_data | > ir_trigger_log | > party_party_lang |
| > ir_calendar_month | > ir_model_field | | > party_relation |
| | | | > party_relation_type |
| | | | > res_group |
| | | | > res_role |
| | | | > res_role-res_group |
| | | | > res_user |
| | | | > res_user-company_employee |
| | | | > res_user-ir_action |
| | | | > res_user-res_group |
| | | | > res_user_application |
| | | | > res_user_login_attempt |
| | | | > res_user_role |
| | | | > res_user_warning |

« Financials »

« Chart of Accounts » & « Fiscal Year and Period » & « Journal »

Documentation

[https://tryton-administration-manual.readthedocs.io/en/latest/basic_config.html#installing-a-chart-of-accounts]

[<https://tryton-administration-manual.readthedocs.io/en/latest/accounts.html>]

Precondition

- Before activating the Financial Modules, it is advised to properly configure the « Administrator » user
- The user should reference :
 - The « Current Company » field with e.g. « COM01 » i.e. the company for which the « Chart of Accounts » will be created.
 - An « Employee » field with e.g. « EMP01 » who is part of « Company COM01 »
- Under those conditions, at the end of module activation, a « Create Chart of Accounts » wizard will be able to reference « COM01 » and create the chart of accounts appropriately.

The screenshot displays the 'Users' management interface. At the top, there's a header with 'Users' and navigation icons. Below the header, the 'Administrator' user profile is shown. The 'Name' field is 'Administrator' and the 'Active' checkbox is checked. The 'User' tab is selected, showing fields for 'Login' (admin), 'Email' (x@g.c), 'Password' (masked), and a 'RESET PASSWORD' button. A red box highlights the 'Main Company' (COM01), 'Current Company' (COM01), and 'Current Employee' (EMP01) fields. Below this, there's a table titled 'Employees' with columns for 'Party', 'Company', 'Supervisor', 'Start Date', and 'End Date'. The table contains one entry: 'EMP01' (checked), 'COM01', an empty supervisor field, and '2021-04-01'.

| Party | Company | Supervisor | Start Date | End Date |
|---|---------|------------|------------|----------|
| <input checked="" type="checkbox"/> EMP01 | COM01 | | 2021-04-01 | |

Error conditions

- If « User Administrator » activates financial modules without referencing « Company COM01 », the creation of the « Chart of Accounts » will have to be aborted. Should this be the case, we will show how to recover from this situation and, more generally, show how to execute once again a previously aborted wizard.
- If « User Administrator » activates financial modules without referencing « Employee EMP01 », the Menu Tree Item « Financial » is not created in the left pane. We have not found a way to recover from this error situation besides restoring the database in a state « before »

The screenshot displays the 'Users' management interface. At the top, there is a teal header bar with the title 'Users' and a series of navigation and action icons. Below the header, the user profile for 'Administrator' is shown. The 'Name' field is highlighted with a red box. To the right of the name is the 'Active' status, which is checked. Below the name field is a tabbed interface with tabs for 'User', 'Actions', 'Access Permissions', 'Applications', and 'Preferences'. The 'User' tab is selected. Under the 'User' tab, the 'Login' is 'admin' and the 'Email' is 'x@g.c'. There is a 'Password' field with masked characters and a 'SHOW' button, and a 'RESET PASSWORD' button. Below these fields, there are two rows of dropdown menus. The first row has 'Main Company:' and 'Current Company:', both highlighted with a red box. The second row has 'Current Employee:' and 'Current Warehouse:', also highlighted with a red box. A search icon is visible at the end of the second row.

Activating Modules

Documentation

| Modules ▾ | | | | | |
|-----------------------------------|---------|---------------|------------------|---------------------|--|
| 46 / 154 | | | | | |
| FILTERS Search | | | | | |
| Perform Pending Act | | | | | |
| Mark for Activation | | | | | |
| Translate view | | | | | |
| ☐ Name | Version | State | Mark for Upgrade | Mark for Activation | |
| ☑ account | 5.8.2 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_asset | 5.8.2 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_be | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_cash_rounding | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_credit_limit | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_deposit | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_de_skr03 | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_dunning | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_dunning_email | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_dunning_fee | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_dunning_letter | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_es | 5.8.3 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_eu | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_fr | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_fr_chorus | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice | 5.8.3 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice_correction | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice_history | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice_line_standalone | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice_secondary_unit | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_invoice_stock | 5.8.1 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_payment | 5.8.2 | Not Activated | | MARK FOR ACTIVAT... | |
| ☑ account_payment_braintree | 5.8.2 | Not Activated | | MARK FOR ACTIVAT... | |

Documentation

| | | | | |
|-------------------------------------|----------------------------------|-------|---------------|---------------------|
| <input checked="" type="checkbox"/> | account_payment_sepa | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_payment_sepa_cfonb | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_payment_stripe | 5.8.2 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_product | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_statement | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_statement_aeb43 | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_statement_coda | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_statement_ofx | 5.8.2 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_statement_rule | 5.8.2 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_stock_anglo_saxon | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_stock_continental | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_stock_landed_cost | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_stock_landed_cost_weight | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_tax_cash | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | account_tax_rule_country | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | analytic_account | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | analytic_invoice | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | analytic_purchase | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | analytic_sale | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input type="checkbox"/> | attendance | 5.8.2 | Not Activated | MARK FOR ACTIVAT... |
| <input type="checkbox"/> | authentication_sms | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |
| <input checked="" type="checkbox"/> | bank | 5.8.1 | Not Activated | MARK FOR ACTIVAT... |

Documentation

Modules to update

account: to activate
account_asset: to activate
account_be: to activate
account_cash_rounding: to activate
account_credit_limit: to activate
account_deposit: to activate
account_de_skr03: to activate
account_dunning: to activate
account_dunning_email: to activate
account_dunning_fee: to activate
account_dunning_letter: to activate
account_es: to activate
account_eu: to activate
account_fr: to activate
account_fr_chorus: to activate
account_invoice: to activate
account_invoice_correction: to activate
account_invoice_history: to activate
account_invoice_line_standalone: to activate
account_invoice_secondary_unit: to activate
account_invoice_stock: to activate
account_payment: to activate
account_payment_braintree: to activate
account_payment_clearing: to activate
account_payment_sepa: to activate
account_payment_sepa_cfonb: to activate
account_payment_stripe: to activate
account_product: to activate
account_statement: to activate
account_statement_aeb43: to activate
account_statement_coda: to activate
account_statement_ofx: to activate
account_statement_rule: to activate

account_stock_anglo_saxon: to activate
account_stock_continental: to activate
account_stock_landed_cost: to activate
account_stock_landed_cost_weight: to activate
account_tax_cash: to activate
account_tax_rule_country: to activate
analytic_account: to activate
analytic_invoice: to activate
analytic_purchase: to activate
analytic_sale: to activate
bank: to activate
product: to activate
product_measurements: to activate
purchase: to activate

Perform Pending Activation/Upgrade (account_be,
account_credit_limit, account...



The modules have been upgraded / activated.

✓ OK

Create Chart of Accounts from Template

Company: COM01

Account Template: Plan comptable (French)

✕ CANCEL

✓ CREATE

Create Chart of Accounts from Template

Default Receivable Account: ☒ 4111 - Clients - Ventes de biens ou de prestations ✕

Default Payable Account: ☒ 4011 - Fournisseurs - Achats de biens et prestatio ✕

Category

Default Revenue Account: ☒ 7011 - Produits finis (ou groupe) A ✕

Default Expense Account: ☒ 6011 - Matières (ou groupe) A ✕

✕ CANCEL

✓ CREATE

State Post

Config Wizard Items

FILTERS Search

| <input type="checkbox"/> Action | Sequence | State |
|---|----------|-------|
| <input type="checkbox"/> Configure Languages | 10 | Done |
| <input type="checkbox"/> Configure Users | 10 | Done |
| <input type="checkbox"/> Configure Company | 10 | Done |
| <input type="checkbox"/> Create Chart of Accounts from Template | 10 | Done |
| <input type="checkbox"/> Configure Modules | 10,000 | Done |

Companies

Party: COM01 Currency: Euro Timezone: Europe/Brussels

Company Work Time Reports Invoice

Parent:

Employees

| <input type="checkbox"/> Party | Supervisor | Start Date | End Date |
|---|------------|------------|----------|
| <input checked="" type="checkbox"/> EMP01 | | 2021-04-01 | |

Notice :

- The « Create Chart of Accounts from Template » wizard Item is « done »
- The « Company COM01 » has no « Accounting » Tab
- There are additional Menu Items in the Menu Tree

Party

- Configuration
- Parties
 - Parties associated to Purchases
 - Parties associated to Sales
- Addresses
- Contact Mechanisms
- Categories
- Party Relations

Product

- Configuration
- Products
- Categories
- Units of Measure
- Product Suppliers

Company

- Companies
- Employees

Financial

- Configuration
- Invoices
- Entries
- Payments
- Charts
- Dunnings
- Statements
- Assets
- Processing
- Reporting

Banking

- Banks
- Accounts
- SEPA Mandates

Inventory & Stock

- Configuration
- Locations
- Supplier Shipments
- Customer Shipments
- Internal Shipments
- Moves
- Inventories

Purchase

- Configuration
- Purchases

Sales

- Configuration
- Sales
- Salable Products
- Reporting

Situation finale

Account Types -   1/1         

FILTERS Search

☐ Name

☒ > Plan de types de compte (France)

Account Types - 

FILTERS Search

☐ Name

☒ > Plan de types de compte (France)

☐ > Actif

☐ Capital souscrit - non appelé

☐ > Actifs immobilisés

☐ > Actif circulant

☐ Charges à répartir sur plusieurs exercices

☐ Primes de remboursement des emprunts

☐ Écarts de conversion actif

☐ > Passif













☐ > Capitaux propres

☐ > Provisions

☐ > Dettes

☐ Écarts de conversion passif

☐ > Hors bilan

- >  Party
- >  Product
- >  Company
- >  Financial
 - >  Configuration
 -  Account Configuration
 - >  Templates
 - >  General Account
 - >  Account Types
 -  Account Types
 - >  Accounts
 -  Accounts






























Situation finale

| Accounts ▾ | | | ↩ < 1 / 1 > + ⬇ ↻ Ⓜ | | | |
|--|---------|----------------------------------|---------------------|--|--|--|
| FILTERS Search | | | 🔍 ☆ | | | |
| <input type="checkbox"/> Record Name | Company | Type | | | | |
| <input checked="" type="checkbox"/> ▾ Plan comptable (French) | COM01 | Plan de types de compte (France) | | | | |
| <input type="checkbox"/> > 1 - Comptes de capitaux | COM01 | | | | | |
| <input type="checkbox"/> > 2 - Comptes d'immobilisations | COM01 | | | | | |
| <input type="checkbox"/> > 3 - Comptes de stocks et d'en-cours | COM01 | | | | | |
| <input type="checkbox"/> > 4 - Comptes de tiers | COM01 | | | | | |
| <input type="checkbox"/> > 5 - Comptes financiers | COM01 | | | | | |
| <input type="checkbox"/> > 6 - Comptes de charges | COM01 | | | | | |
| <input type="checkbox"/> > 7 - Comptes de produits | COM01 | | | | | |
| <input type="checkbox"/> > 8 - Comptes spéciaux | COM01 | | | | | |

- > 👤 Party
- > 📦 Product
- > 🏢 Company
- ▾ 🏠 Financial
 - ▾ ⚙️ Configuration
 - ≡ Account Configuration
 - > 📁 Templates
 - ▾ 📁 General Account
 - > ≡ Account Types
 - ▾ ≡ Accounts
 - ≡ Accounts

| Accounts ▾ | | | ↩ < 1 / 1 > + ⬇ ↻ Ⓜ 📎 💬 🔄 🔗 🖨 ✉ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|---------------------------------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Name: Plan comptable (French) | | | Code: | | Active: <input checked="" type="checkbox"/> | | Override Template: <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>General Information Children Deferrals Note</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company: <input checked="" type="checkbox"/> COM01 | | | ✕ | | Parent: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type: <input checked="" type="checkbox"/> Plan de ty | | | Debit Type: | | Closed: <input type="checkbox"/> | | General Ledger Balance: <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | |
| Start Date: 📅 | | | | | End Date: 📅 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Currency: <input checked="" type="checkbox"/> Euro | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reconcile: <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Default Taxes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><input type="checkbox"/> Name Group Type Company</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Situation finale

- ▼  Tables (266)
 - >  account_account
 - >  account_account_deferral
 - >  account_account_tax_rel
 - >  account_account_template
 - >  account_account_template_tax_rel
 - >  account_account_type
 - >  account_account_type_template
 - >  account_asset
 - >  account_asset-update-account_move
 - >  account_asset_line
 - >  account_configuration
 - >  account_configuration_asset_date
 - >  account_configuration_asset_frequency
 - >  account_configuration_asset_sequence
 - >  account_configuration_cash_rounding_account
 - >  account_configuration_default_account
 - >  account_configuration_default_credit_limit_amount
 - >  account_configuration_default_dunning_procedure
 - >  account_configuration_default_tax_rule
 - >  account_configuration_landed_cost_sequence
 - >  account_configuration_payment_group_sequence
 - >  account_configuration_sepa_mandate_sequence
 - >  account_configuration_stock_journal
 - >  account_configuration_tax_rounding
 - >  account_credential_chorus
 - >  account_dunning
 - >  account_dunning_email_log
 - >  account_dunning_fee

Error Case

Error case - « User Administration » is not linked to « Company COM01 »

Create Chart of Accounts from Template

i You can now create a chart of account for your company by selecting a chart of ac

Create Chart of Accounts from Template

Company: COM01

Account Template: Plan comptable (French)

Create Chart of A

Company:

Account Template:

You are not allowed to create records of "Account Type" because they fail on at least one of these rules:
User in company

Users

1 / 3

Name: Administrator Active: ☒

User Actions Access Permissions Applications Preferences

Login: admin Email: x@g.c

Password: SHOW RESET PASSWORD

Main Company: Current Company:

Current Employee: Current Warehouse:

Employees

| <input type="checkbox"/> Party | Company | Supervisor | Start Date | End Date |
|--------------------------------|---------|------------|------------|----------|
|--------------------------------|---------|------------|------------|----------|

How to recover

- As announced in the « Precondition », we set the link to our company « COM01 »
- We modify the wizard state from « done » to « open »

Users

↔ < 1 / 3 > + ⬇ ↻ 📎 💬 🌀 🔗 🖨 ✉

Name: Administrator

Active: ☒

User

Actions

Access Permissions

Applications

Preferences

Login: admin

Email: x@g.c

Password:

SHOW

RESET PASSWORD

Main Company: COM01

Current Company: COM01

Current Employee:

Current Warehouse:

Config Wizard Items

↔ < 4 / 5 > + ⬇ ↻ 📎 💬 🌀 🔗 🖨 ✉

FILTERS

Search

🔍 ☆ 📖 < >

| <input checked="" type="checkbox"/> | Action | Sequence | State |
|-------------------------------------|--|----------|-------|
| <input type="checkbox"/> | Configure Languages | 10 | Done |
| <input type="checkbox"/> | Configure Users | 10 | Done |
| <input type="checkbox"/> | Configure Company | 10 | Done |
| <input checked="" type="checkbox"/> | 🔗 Create Chart of Accounts from Template | 10 | Done |
| <input type="checkbox"/> | Configure Modules | 10,000 | Done |

Done

Open

- > 👤 Party
- > 🏢 Product
- > 📊 Company
- > 💵 Currency
- > 🏦 Banking
- ✓ ⚙ Administration
 - > 📁 User Interface
 - > 📁 Models
 - > 📁 Sequences
 - > 📁 Scheduler
 - > 📁 Localization
 - ✓ 📁 Modules
 - ≡ Modules
 - ≡ Config Wizard Items
 - 🌀 Perform Pending Acti...
 - ✓ 📁 Users
 - ≡ Groups
 - ≡ Users
 - ≡ Roles
 - 🚩 Countries

How to recover - method 1

Config Wizard Items -

4 / 5

FILTERS

Search

| Action | Sequence | State |
|--|----------|-------|
| <input type="checkbox"/> Configure Languages | 10 | Done |
| <input type="checkbox"/> Configure Users | 10 | Done |
| <input type="checkbox"/> Configure Company | 10 | Done |
| <input checked="" type="checkbox"/> Create Chart of Accounts from Template | 10 | Open |
| <input type="checkbox"/> Configure Modules | 10,000 | Done |

Module Configuration

Translate view

Create Chart of Accounts from Template

Company: COM01

Account Template: Plan comptable (French)

CANCEL

CREATE

Create Chart of Accounts from Template

Default Receivable Account: ☒ 4111 - Clients - Ventes de biens ou de prestations X

Default Payable Account: ☒ 4011 - Fournisseurs - Achats de biens et prestatio X

Category

Default Revenue Account: ☒ 7011 - Produits finis (ou groupe) A X

Default Expense Account: ☒ 6011 - Matières (ou groupe) A X


CANCEL


CREATE



- > Party
- > Product
- > Company
- > Financial
 - > Configuration
 - > Invoices
 - > Entries
 - > Payments
 - > Charts
 - > Dunning
 - > Statements
 - > Assets
 - > Processing
 - > Reporting

How to recover - method 2

Create Chart of Accounts from Template

 You can now create a chart of account for your company by selecting a chart of ac



Create Chart of Accounts from Template

Company: COM01

Account Template:

0 - Plan Contable para PYMES 2008



0 - Plan General Contable 2008



Kontenplan SKR03 (Germany)

Minimal Account Chart



Plan comptable (French)



Create Chart of Accounts from Template



Default Receivable Account:  4111 - Clients - Ventes de biens ou de prestations 

Default Payable Account:  4011 - Fournisseurs - Achats de biens et prestatio 

Category

Default Revenue Account:  7011 - Produits finis (ou groupe) A 

Default Expense Account:  6011 - Matières (ou groupe) A 

Financial

Configuration

Account Configuration

Templates

Account Type Templates

Account Move Template

Account Templates

Tax Codes Templates

Taxes Templates

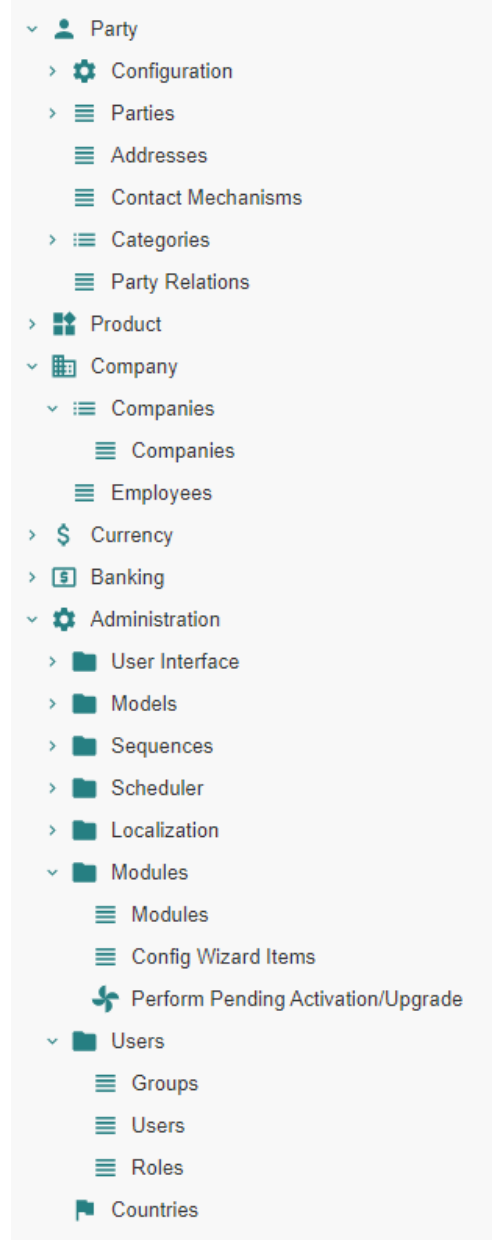
Tax Rule Templates

Create Chart of Accounts from Template









Update Chart of Accounts from Template










Error case - « User Administration » is not linked to « Employee EMP01 »

- The Menu Tree Item « Financial » is not created
- There is apparently no way to recover except to restore the database in a prior state and to update the « User Administrator » with the appropriate « Company COM01 » and « Employee EMP01 » links



Financial - Fiscal Years & Periods

- >  Party
- >  Product
- >  Company
- >  Financial
- >  Currency
- >  Banking
- >  Inventory & Stock
- >  Administration

- ▼  Financial
 - ▼  Configuration
 -  Account Configuration
 - >  Templates
 - >  General Account
 - ▼  Fiscal Years
 - ▼  Fiscal Years
 -  Periods
-  Renew Fiscal Year

Documentation

Accounts :

[<https://tryton-administration-manual.readthedocs.io/en/latest/accounts.html>]

Post Move Sequence :

[<https://groups.google.com/g/tryton/c/a4fobeaYn48>]

Opening a Fiscal Year :

[<https://discuss.tryton.org/t/how-to-create-a-fiscalyear/2380>]

Fiscal Years ▾



1 / 1



Name: FY2021

Company: COM01



Starting Date: 2021-01-01

Ending Date: 2021-12-31

Periods

Taxes

Sequences

Account Stock

Post Move Sequence: PMS



Invoice Sequences



1 / 1



Company: COM01



Sequence: 1

Period:



Supplier Invoice Sequence: SIS



Supplier Credit Note Sequence: SCS



Customer Invoice Sequence: CIS



Customer Credit Note Sequence: CCS



State: Open



Post Move Sequence

Sequence Name: PMS



Sequence Code: Account Move



Active:



Company:  COM01



Prefix: PMS\${year}

Suffix:

Type: Incremental



Incremental

Number padding: 0

Increment Number: 1

Next Number: 1

Legend (Placeholders for prefix, suffix)

Year: \${year}


Month: \${month}

Day: \${day}



DELETE

SAVE

Supplier Invoice Sequence

Sequence Name: SIS 

Sequence Code: Invoice ▾ Active: ☒

Company:  COM01 

Prefix: SIS\${year} Suffix:

Type: Incremental ▾

Incremental

Number padding: 0 Increment Number: 1


Next Number: 1

Legend (Placeholders for prefix, suffix)


Year: \${year}

Month: \${month}



Day: \${day}

DELETE 

Supplier Credit Note Sequence

Sequence Name: SCS 

Sequence Code: Invoice ▾ Active: ☒

Company:  COM01 

Prefix: SCS\${year} Suffix:

Type: Incremental ▾

Incremental

Number padding: 0 Increment Number: 1


Next Number: 1

Legend (Placeholders for prefix, suffix)


Year: \${year}

Month: \${month}



Day: \${day}

CANCEL 

Customer Invoice Sequence

Sequence Name: CIS 

Sequence Code: Invoice ▾ Active: ☒

Company:  COM01 

Prefix: CIS\${year} Suffix:

Type: Incremental ▾

Incremental

Number padding: 0 Increment Number: 1


Next Number: 1

Legend (Placeholders for prefix, suffix)


Year: \${year}

Month: \${month}



Day: \${day}

DELETE 

Customer Credit Note Sequence

Sequence Name: CCS 

Sequence Code: Invoice ▾ Active: ☒

Company:  COM01 

Prefix: CCS\${year} Suffix:

Type: Incremental ▾

Incremental

Number padding: 0 Increment Number: 1


Next Number: 1

Legend (Placeholders for prefix, suffix)

Year: \${year}

Month: \${month}

Day: \${day}

CANCEL 

Create Periods

Fiscal Years

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Name: FY2021

Company: COM01

Starting Date: 2021-01-01

Ending Date: 2021-12-31

Periods

Taxes

Sequences

Account Stock

Periods

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| <input type="checkbox"/> Name | Type | State |
|-------------------------------|------|-------|
|-------------------------------|------|-------|

CREATE PERIODS

State: Open

Fiscal Years

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Name: FY2021

Company: COM01

Starting Date: 2021-01-01

Ending Date: 2021-12-31

Periods

Taxes

Sequences

Account Stock

Periods

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| <input type="checkbox"/> Name | Type | State |
|--|----------|-------|
| <input type="checkbox"/> 2021-01 - 2021-03 | Standard | Open |
| <input type="checkbox"/> 2021-04 - 2021-06 | Standard | Open |
| <input type="checkbox"/> 2021-07 - 2021-09 | Standard | Open |
| <input type="checkbox"/> 2021-10 - 2021-12 | Standard | Open |

State: Open

Create Periods (FY2021)

Frequency: Quarterly

End Day: 31

✕ CANCEL

✓ CREATE

Fiscal Years ▾

FILTERS

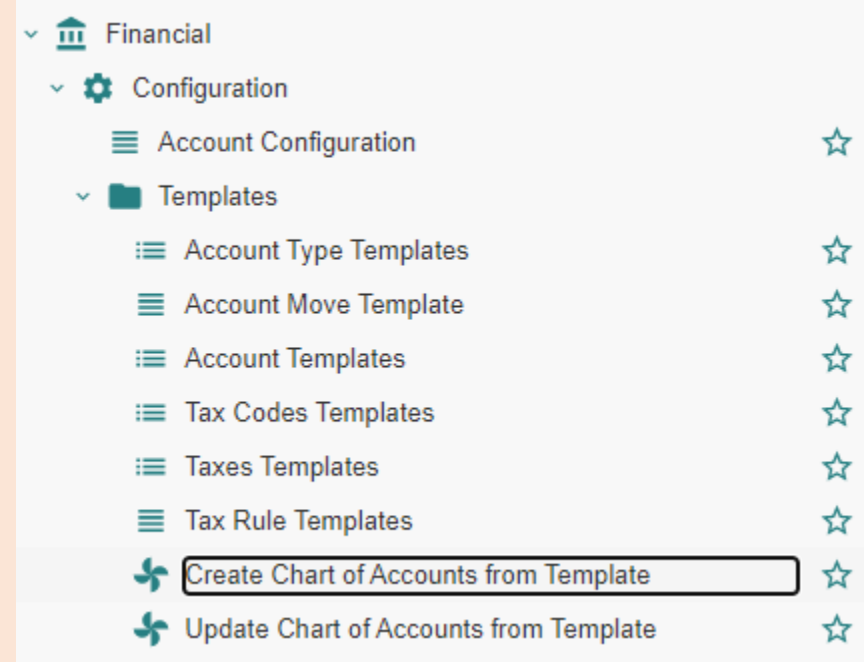
☐ Name State
☒ FY2021 Open

Periods ▾

FILTERS

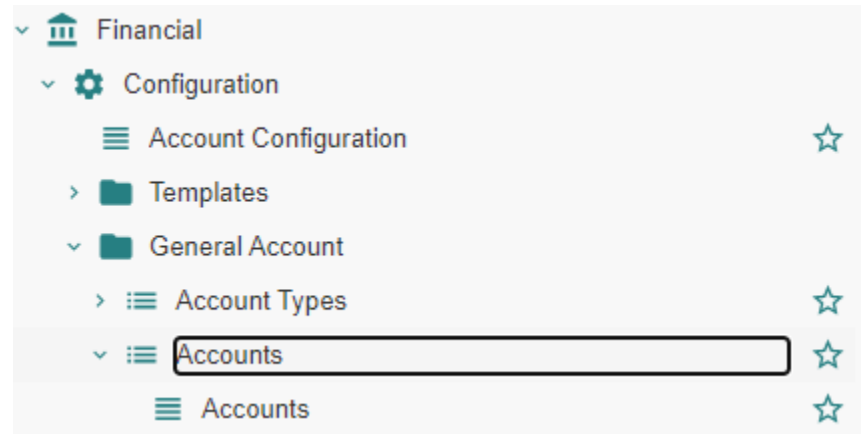
| <input type="checkbox"/> Name | Type | State |
|--|----------|-------|
| <input type="checkbox"/> 2021-01 - 2021-03 | Standard | Open |
| <input type="checkbox"/> 2021-04 - 2021-06 | Standard | Open |
| <input type="checkbox"/> 2021-07 - 2021-09 | Standard | Open |
| <input type="checkbox"/> 2021-10 - 2021-12 | Standard | Open |

- > Party
- > Product
- > Company
- > Financial
 - > Configuration
 - Account Configuration
 - > Templates
 - > General Account
 - > Fiscal Years
 - Fiscal Years
 - Periods
 - Renew Fiscal Year



Financial - Chart of Accounts







Execute



FILTERS Search

| <input type="checkbox"/> Record Name | Company |
|--|---------|
| <input checked="" type="checkbox"/> Plan comptable (French) | COM01 |
| <input type="checkbox"/> 1 - Comptes de capitaux | COM01 |
| <input type="checkbox"/> 2 - Comptes d'immobilisations | COM01 |
| <input type="checkbox"/> 3 - Comptes de stocks et d'en-cours | COM01 |
| <input type="checkbox"/> 4 - Comptes de tiers | COM01 |
| <input type="checkbox"/> 5 - Comptes financiers | COM01 |
| <input type="checkbox"/> 6 - Comptes de charges | COM01 |
| <input type="checkbox"/> 7 - Comptes de produits | COM01 |
| <input type="checkbox"/> 8 - Comptes spéciaux | COM01 |

112

- >  Party
- >  Product
- >  Company
- ▼  Financial
- ▼  Configuration
 -  Account Configuration

Financial - Journals

Journals

Journals ▾

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FILTERS Search

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>

| <input type="checkbox"/> Code | Name | Type |
|-------------------------------|---------|---------|
| <input type="checkbox"/> ASS | Asset | Asset |
| <input type="checkbox"/> CASH | Cash | Cash |
| <input type="checkbox"/> EXP | Expense | Expense |
| <input type="checkbox"/> REV | Revenue | Revenue |
| <input type="checkbox"/> STO | Stock | General |

Journals ▾

↔ < 3 / 6

Name: Expense

☆A

Type: Expense

▼

Code: EXP

Sequence:

🔗

 Default Account Journal

- > Party
- > Product
- > Company
- > Financial
 - Configuration
 - Account Configur... ☆
 - Templates
 - General Account
 - Fiscal Years
 - Journals
 - Journals ☆
 - WriteOff Methods ☆
 - Invoice Payme... ☆

Journals

Journals

↔

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3 / 6

Name: Expense

✖A

Code: EXP

Type: Expense

▼

Sequence:

Default Account Journal

Journals

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Name: Revenue

✖A

Code: REV

Active: ☒

Type: Revenue

▼

Sequence:

Default Account Journal

 ✕

Sequence

Sequence Name: Default Account Journal

✖A

Sequence Code: Account Journal

▼

Active: ☒

Company:

COM01

✕

Prefix: \${year}

Suffix:

Type: Incremental

▼

Incremental

Number padding: 0

Increment Number: 1

Next Number: 1

Legend (Placeholders for prefix, suffix)

Year: \${year}

Month: \${month}









Day: \${day}

















CANCEL














SAVE

115

Party

- >  Party
- >  Product
- >  Company
- >  Financial
- >  Currency
- >  Banking
- >  Inventory & Stock
- >  Administration

- >  Party
- >  Product
- >  Company
- >  Financial
 - >  Configuration
 -  Account Configuration 
 - >  Templates
 - >  General Account
 - >  Fiscal Years
 - >  Fiscal Years 
 -  Periods 
 -  Renew Fiscal Year 

- >  Financial
 - >  Configuration
 -  Account Configuration 
 - >  Templates
 - >  General Account
 - >  Fiscal Years
 - >  Fiscal Years 
 -  Periods 
 -  Renew Fiscal Year 

How to recover

Parties - ↔ < 1 / 2 > + ↓ ↺ 📎 💬 🌀 🔗 🖨 ✉

Name: COM01 Code: 1 Active: ☒

General Supplier Identifiers Banking Relations **Accounting** Stock

Dunning

Dunning Procedure:

Payment Terms

Customer Payment Term: Supplier Payment Term:

Account

Account Receivable: Account Payable:

Direct Debit: ☐

| | | | |
|-------------------|------|----------------|------|
| Receivable Today: | 0.00 | Payable Today: | 0.00 |
| Receivable: | 0.00 | Payable: | 0.00 |
| Deposit: | 0.00 | | |

Parties - ↔ < 1 / 2 > + ↓ ↺ 📎 💬 🌀 🔗 🖨 ✉

Name: COM01 Code: 1 Active: ☒

General Supplier Identifiers Banking Relations **Accounting** Stock

Dunning

Dunning Procedure:

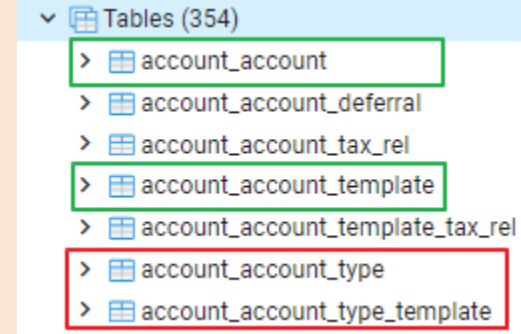
Payment Terms

Customer Payment Term: Supplier Payment Term:

Account

Account Receivable: 4111 - Clients - Ventes de biens ou de pr ✕ Account Payable: 4011 - Fournisseurs - Achats de biens et p ✕

Direct Debit: ☐



A screenshot of a database interface showing a list of tables. The list is titled 'Tables (354)' and contains several entries. The first four entries are highlighted with green boxes: 'account_account', 'account_account_deferral', 'account_account_tax_rel', and 'account_account_template'. The last two entries are highlighted with red boxes: 'account_account_type' and 'account_account_type_template'. Each entry is preceded by a right-pointing arrow and a small table icon.

| | |
|---|----------------------------------|
| > | account_account |
| > | account_account_deferral |
| > | account_account_tax_rel |
| > | account_account_template |
| > | account_account_template_tax_rel |
| > | account_account_type |
| > | account_account_type_template |







Database

Account Type Templates (1/2)

Account Type Templates ▾

FILTERS Search

- ☐ Name
- ☒ > Plan General Contable Español 2008
- ☐ > Plan Contable Español para PYMES 2008
- ☐ > Minimal Account Type Chart
- ☐ > Kontentypenplan SKR03 (Germany)
- ☐ ▾ Plan de types de compte (France)
 - ☐ ▾ Actif
 - ☐ Capital souscrit - non appelé
 - ☐ > Actifs immobilisés
 - ☐ > Actif circulant
 - ☐ Charges à répartir sur plusieurs exercices
 - ☐ Primes de remboursement des emprunts
 - ☐ Écarts de conversion actif
 - ☐ ▾ Passif

- ▾  Financial
- ▾  Configuration
 -  Account Configuration
 - ▾  Templates
 -  Account Type Templates
 -  Account Move Template

Account Type Templates (2/2)

Templates are used to generate the actual « Chart of Account ».
As such, there is no reference to a « Company »

| | |
|---|---|
| ▼ | account_account_type_template |
| > | Columns |
| ▼ | Constraints (3) |
| ✓ | account_account_type_template_id_positive |
| 🔑 | account_account_type_template_parent_fkey |
| 🔑 | account_account_type_template_pkey |

| Data Output | | Explain | Messages | Notifications | | | | | | | | | |
|-------------|---|--|---|--|---|--|--|---|--|---|--|---|---|
| | <div><div>id</div><div>[PK] integer</div></div> | <div><div>assets</div><div>boolean</div></div> | <div><div>create_date</div><div>timestamp without time zone</div></div> | <div><div>create_uid</div><div>integer</div></div> | <div><div>expense</div><div>boolean</div></div> | <div><div>name</div><div>character varying</div></div> | <div><div>parent</div><div>integer</div></div> | <div><div>payable</div><div>boolean</div></div> | <div><div>receivable</div><div>boolean</div></div> | <div><div>revenue</div><div>boolean</div></div> | <div><div>sequence</div><div>integer</div></div> | <div><div>statement</div><div>character varying</div></div> | <div><div>stock</div><div>boolean</div></div> |
| 1 | 1 | false | 2021-03-08 11:42:32.073204 | 0 | false | Minimal Account Type ... | [null] | false | false | false | 10 | [null] | false |
| 2 | 2 | true | 2021-03-08 11:42:32.073204 | 0 | false | Asset | 1 | false | false | false | 10 | balance | false |
| 3 | 3 | true | 2021-03-08 11:42:32.073204 | 0 | false | Current | 2 | false | false | false | 10 | balance | false |
| 4 | 4 | true | 2021-03-08 11:42:32.073204 | 0 | false | Cash | 3 | false | false | false | 10 | balance | false |
| 5 | 5 | true | 2021-03-08 11:42:32.073204 | 0 | false | Receivable | 3 | false | true | false | 20 | balance | false |
| 6 | 6 | true | 2021-03-08 11:42:32.073204 | 0 | false | Long-term | 2 | false | false | false | 20 | balance | false |
| 7 | 7 | false | 2021-03-08 11:42:32.073204 | 0 | false | Liability | 1 | false | false | false | 20 | balance | false |
| 8 | 8 | false | 2021-03-08 11:42:32.073204 | 0 | false | Current | 7 | false | false | false | 10 | balance | false |
| 9 | 9 | false | 2021-03-08 11:42:32.073204 | 0 | false | Payable | 8 | true | false | false | 10 | balance | false |
| 10 | 10 | false | 2021-03-08 11:42:32.073204 | 0 | false | Tax | 8 | false | false | false | 20 | balance | false |
| 11 | 11 | false | 2021-03-08 11:42:32.073204 | 0 | false | Long-term | 7 | false | false | false | 20 | balance | false |
| 12 | 12 | false | 2021-03-08 11:42:32.073204 | 0 | false | Equity | 1 | false | false | false | 30 | balance | false |
| 13 | 13 | false | 2021-03-08 11:42:32.073204 | 0 | false | Income | 12 | false | false | false | 40 | income | false |
| 14 | 14 | false | 2021-03-08 11:42:32.073204 | 0 | false | Revenue | 13 | false | false | true | 10 | income | false |
| 15 | 15 | false | 2021-03-08 11:42:32.073204 | 0 | true | Expense | 13 | false | false | false | 20 | income | false |
| 16 | 16 | false | 2021-03-08 11:42:32.073204 | 0 | false | Off-Balance | 1 | false | false | false | 60 | off-balance | false |
| 17 | 17 | false | 2021-03-08 11:42:51.929697 | 0 | false | Kontentypenplan SKR0... | [null] | false | false | false | 10 | [null] | false |
| 18 | 18 | false | 2021-03-08 11:42:51.929697 | 0 | false | Aktiva | 17 | false | false | false | 10 | balance | false |

Account Types (1/2)















The screenshot shows a software interface for configuring account types. On the left is a navigation menu with a tree structure: Party, Product, Company, Financial, Configuration (expanded), Account Configuration, Templates, General Account, Account Types (highlighted with a red rectangle), Accounts, Fiscal Years, Journals, Taxes, Payment Terms, Analytic Account, and Pavments. On the right, the 'Account Types' configuration page is displayed. It has a teal header 'Account Types' and a 'FILTERS' section with a search bar. Below the filters, a list of account types is shown, each with a checkbox. The first item, 'Plan de types de compte (France)', is checked and highlighted in light blue. Other items include 'Actif', 'Capital souscrit - non appelé', 'Actifs immobilisés', 'Actif circulant', 'Charges à répartir sur plusieurs exercices', 'Primes de remboursement des emprunts', 'Écarts de conversion actif', 'Passif', and 'Hors bilan'.

This screenshot shows the 'Account Types' configuration form. It has a teal header 'Account Types'. The form contains several fields: 'Name' with the value 'Plan de types de compte (France)', 'Statement' with a dropdown arrow, 'Stock' with an unchecked checkbox, 'Company' with a value 'COM01' (highlighted by a red rectangle and a blue underline), and 'Parent' with a dropdown arrow. The 'Company' field includes a small icon of a document with a checkmark.

The « Account Type » contains a reference to the « Company ».

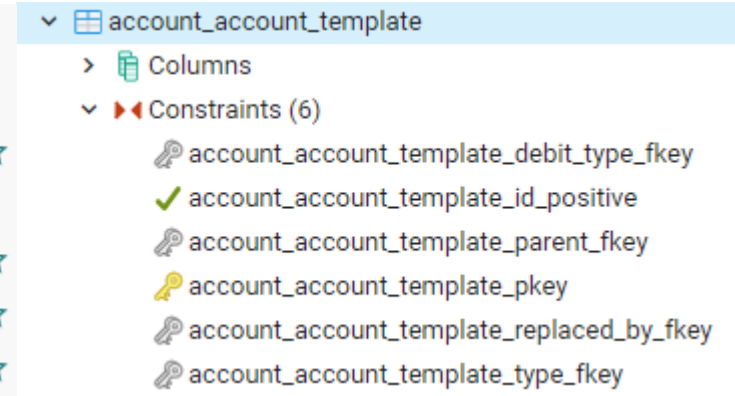
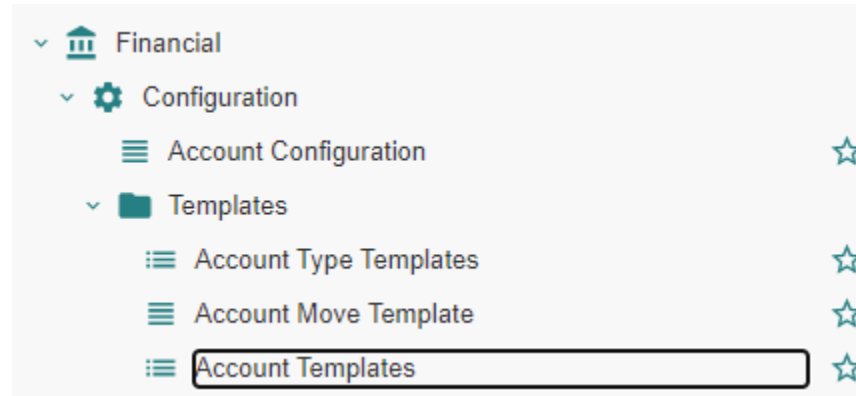
This contrasts with the « Account Type Template » which does not

Account Types (2/2)

| Data Output | | Explain | Messages | Notifications | | | | | | | | | |
|---|--|---|--|--|---|--|---|---|--|---|--|---|--|
|  | id [PK] integer  | assets boolean  | company integer  | create_date timestamp without time zone  | create_uid integer  | expense boolean  | name character varying  | parent integer  | payable boolean  | receivable boolean  | revenue boolean  | sequence integer  | statement character varying  |
| 1 | 1 | false | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Plan de types de comp... | [null] | false | false | false | 10 | [null] |
| 2 | 2 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Actif | 1 | false | false | false | 10 | balance |
| 3 | 3 | false | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Passif | 1 | false | false | false | 20 | balance |
| 4 | 4 | false | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Hors bilan | 1 | false | false | false | 30 | off-balance |
| 5 | 5 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Capital souscrit - non a... | 2 | false | false | false | 10 | balance |
| 6 | 6 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Actifs immobilisés | 2 | false | false | false | 20 | balance |
| 7 | 7 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Actif circulant | 2 | false | false | false | 30 | balance |
| 8 | 8 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Charges à répartir sur ... | 2 | false | false | false | 40 | balance |
| 9 | 9 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Primes de rembourse... | 2 | false | false | false | 50 | balance |
| 10 | 10 | true | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Écarts de conversion a... | 2 | false | false | false | 60 | balance |
| 11 | 11 | false | 1 | 2021-03-08 16:49:00.218444 | 1 | false | Capitaux propres | 3 | false | false | false | 10 | balance |

- account_account_type
 - Columns
 - Constraints (5)
 - account_account_type_company_fkey
 - account_account_type_id_positive
 - account_account_type_parent_fkey
 - account_account_type_pkey
 - account_account_type_template_fkey

Account Templates (1/3)



FILTERS Search

| <input type="checkbox"/> Record Name | Type |
|--|---|
| <input checked="" type="checkbox"/> > 0 - Plan Contable para PYMES 2008 | Plan Contable Español para PYMES 2008 |
| <input type="checkbox"/> > 0 - Plan General Contable 2008 | Plan General Contable Español 2008 |
| <input type="checkbox"/> > Kontenplan SKR03 (Germany) | Kontentypenplan SKR03 (Germany) |
| <input type="checkbox"/> > Minimal Account Chart | Minimal Account Type Chart |
| <input type="checkbox"/> > Plan comptable (French) | Plan de types de compte (France) |
| <input type="checkbox"/> > 1 - Comptes de capitaux | |
| <input type="checkbox"/> > 10 - Capital et réserves | |
| <input type="checkbox"/> > 11 - Report à nouveau (solde créditeur ou débiteur) | |
| <input type="checkbox"/> > 12 - Résultat de l'exercice (bénéfice ou perte) | |
| <input type="checkbox"/> > 13 - Subventions d'investissement | |
| <input type="checkbox"/> > 14 - Provisions réglementées | Plan de types de compte (France)\Passif\Capitaux propres\Pr... |
| <input type="checkbox"/> > 15 - Provisions | Plan de types de compte (France)\Passif\Provisions\Provision... |
| <input type="checkbox"/> > 16 - Emprunts et dettes assimilées | |

Account Templates (2/3)

Account Templates ▾

FILTERS

☒ Record Name

☐ 4 - Comptes de tiers

- ☐ 40 - Fournisseurs et comptes rattachés
- ☐ 41 - Clients et comptes rattachés
 - ☐ 410 - Clients et comptes rattachés
 - ☐ 411 - Clients
 - ☒ 4111 - Clients - Ventes de biens ou de prestations de services

Account Templates ▾

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Name: Clients - Ventes de biens ou de prestations de services

Code: 4111

Parent: [411 - Clients](#)

Type: ☒ Plan de types de comp

Debit Type:

Closed: ☐

General Ledger Balance:

Start Date:

End Date:

Reconcile: ☒

Party Required: ☒

Default Taxes

| <input type="checkbox"/> Name | Group | Type | Account Template |
|-------------------------------|-------|------|------------------|
|-------------------------------|-------|------|------------------|

Account Templates (3/3) - Note

| Data Output | | Explain | Messages | Notifications | | | | | | |
|-------------|---------------------------|--------------------------|----------------------------------|---|------------------------------|------------------------------|-------------------------|--|----------------------------------|--|
| | id [PK] integer | closed boolean | code character varying | create_date timestamp without time zone | create_uid integer | debit_type integer | end_date date | general_ledger_balance boolean | name character varying | |
| 1 | 1 | true | [null] | 2021-03-08 11:42:32.073204 | 0 | [null] | [null] | false | Minimal Account Chart | |
| 2 | 2 | false | [null] | 2021-03-08 11:42:32.073204 | 0 | [null] | [null] | false | Main Receivable | |
| 3 | 3 | false | [null] | 2021-03-08 11:42:32.073204 | 0 | [null] | [null] | false | Main Payable | |
| 4 | 4 | false | [null] | 2021-03-08 11:42:32.073204 | 0 | [null] | [null] | false | Main Revenue | |

Accounts (1/2)

Accounts

FILTERS Search

| Record Name | Company |
|--|---------|
| <input checked="" type="checkbox"/> Plan comptable (French) | COM01 |
| <input type="checkbox"/> 1 - Comptes de capitaux | COM01 |
| <input type="checkbox"/> > 10 - Capital et réserves | COM01 |
| <input type="checkbox"/> > 11 - Report à nouveau (solde créditeur ou débiteur) | COM01 |
| <input type="checkbox"/> > 12 - Résultat de l'exercice (bénéfice ou perte) | COM01 |
| <input type="checkbox"/> > 13 - Subventions d'investissement | COM01 |
| <input type="checkbox"/> > 14 - Provisions réglementées | COM01 |
| <input type="checkbox"/> > 15 - Provisions | COM01 |
| <input type="checkbox"/> > 16 - Emprunts et dettes assimilées | COM01 |
| <input type="checkbox"/> > 17 - Dettes rattachées à des participations | COM01 |
| <input type="checkbox"/> > 18 - Comptes de liaison des établissements et sociétés en particip... | COM01 |
| <input type="checkbox"/> > 2 - Comptes d'immobilisations | COM01 |

Financial

Configuration

Account Configuration

Templates

General Account

Account Types

Account Types

Accounts

Accounts

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☆
☆
☆
☆
☆
☆

account_account

Columns

Constraints (9)

account_account_company_fkey

account_account_debit_type_fkey

account_account_id_positive

account_account_parent_fkey

account_account_pkey

account_account_replaced_by_fkey

account_account_second_currency_fkey

account_account_template_fkey

account_account_type_fkey

Accounts (2/2)

Query Editor

Query History

Scratch Pad

1 SELECT * FROM public.account_account

2 ORDER BY id ASC

Data Output

Explain

Messages

Notifications

| | <div>id</div> <div>[PK] integer</div> | <div>closed</div> <div>boolean</div> | <div>code</div> <div>character varying</div> | <div>company</div> <div>integer</div> | <div>template</div> <div>integer</div> | <div>time zone</div> | <div>create_uid</div> <div>integer</div> | <div>debit_type</div> <div>integer</div> | <div>end_date</div> <div>date</div> | <div>general_ledger_balance</div> <div>boolean</div> | <div>left</div> <div>integer</div> | <div>name</div> <div>character varying</div> | <div>note</div> <div>text</div> |
|---|---------------------------------------|--------------------------------------|--|---------------------------------------|--|----------------------|--|--|-------------------------------------|--|------------------------------------|--|---------------------------------|
| 1 | 1 | false | [null] | 1 | 1175 | f0.218444 | 1 | [null] | [null] | false | 1 | Plan comptable (French) | [null] |
| 2 | 2 | false | 1 | 1 | 1176 | f0.218444 | 1 | [null] | [null] | false | 2 | Comptes de capitaux | [null] |
| 3 | 3 | false | 2 | 1 | 1325 | f0.218444 | 1 | [null] | [null] | false | 300 | Comptes d'immobilisat... | [null] |
| 4 | 4 | false | 3 | 1 | 1689 | f0.218444 | 1 | [null] | [null] | false | 1028 | Comptes de stocks et ... | [null] |
| 5 | 5 | false | 4 | 1 | 1781 | f0.218444 | 1 | [null] | [null] | false | 1212 | Comptes de tiers | [null] |
| 6 | 6 | false | 5 | 1 | 1945 | f0.218444 | 1 | [null] | [null] | false | 1540 | Comptes financiers | [null] |
| 7 | 7 | false | 6 | 1 | 1998 | f0.218444 | 1 | [null] | [null] | false | 1646 | Comptes de charges | [null] |

Problem with closed accounts

[<https://discuss.tryton.org/t/value-for-field-account-is-not-valid/3106/9>]

```
Select * from account_account where closed = true;  
UPDATE account_account SET closed = false WHERE closed = true;
```



Marc

4d

I hit the same problem with the « French » chart of account whilst creating a Sales Order. What I did :

- Run the query « Select * from account_account where closed = true; » in « Postgres / pgadmin4 »
 - This query confirmed that 252 accounts were « closed »
 - I did not bother to find out which one
 - Run the query « UPDATE account_account SET closed = false WHERE closed = true; »
 - That solved the problem : I could advance the Sales Order to « Process »
- Suggestion : whilst processing the sales order, to have the error message display one such account encountered in this state up until there are no more in that state.

Query Editor

```
1 Select * from account_account where closed = true;
```

Data Output

| | id [PK] integer | closed boolean | code character varying | company integer | cre tim |
|---|-----------------|----------------|------------------------|-----------------|---------|
| 1 | 545 | true | 411 | | 1 202 |
| 2 | 338 | true | 1013 | | 1 202 |
| 3 | 76 | true | 101 | | 1 202 |

Dashboard Properties SQL Statistics Dependencies Dependents public.p

Query Editor

```
1 Select * from account_account where closed = true;  
2  
3 UPDATE account_account SET closed = false WHERE closed = true;  
4
```

Data Output Explain Messages Notifications

UPDATE 251

Query returned successfully in 103 msec.

Dashboard Properties SQL Statistics Dependencies Dependents public.p

Query Editor

```
1 Select * from account_account where closed = true;  
2  
3 UPDATE account_account SET closed = false WHERE closed = true;  
4
```

Data Output Explain Messages Notifications

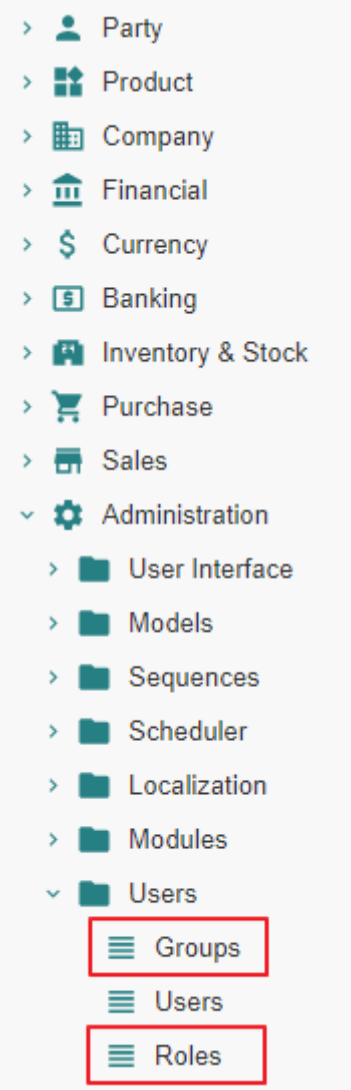
UPDATE 251

Query returned successfully in 103 msec.

Logins

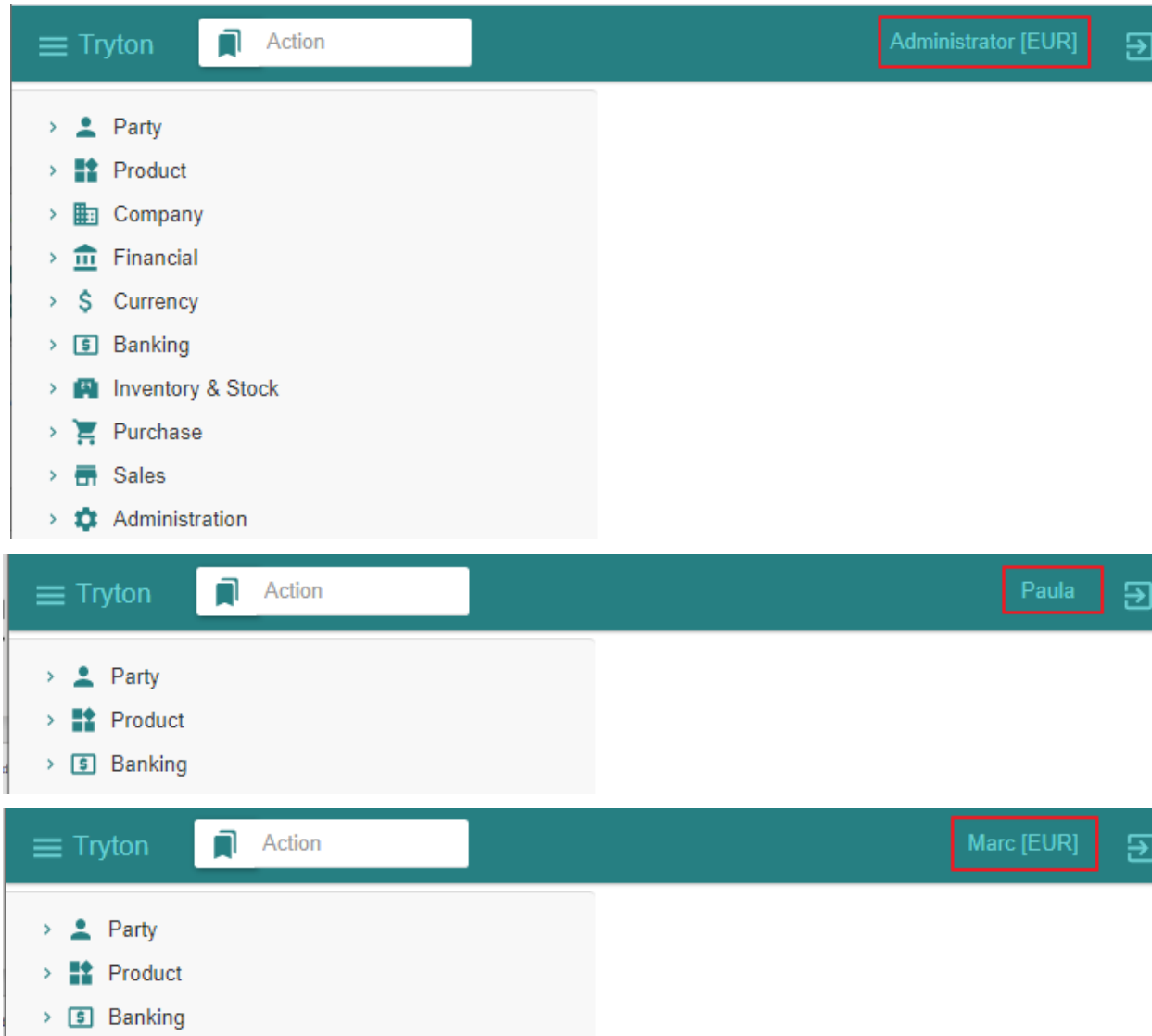
Motivation

- We experiment in changing user authorizations with respect to accessing subject areas in the application
- The « User Administrator » can tailor this by exercising « User Groups » and « User Roles »



User Capabilities - Ante

State - User Capabilities

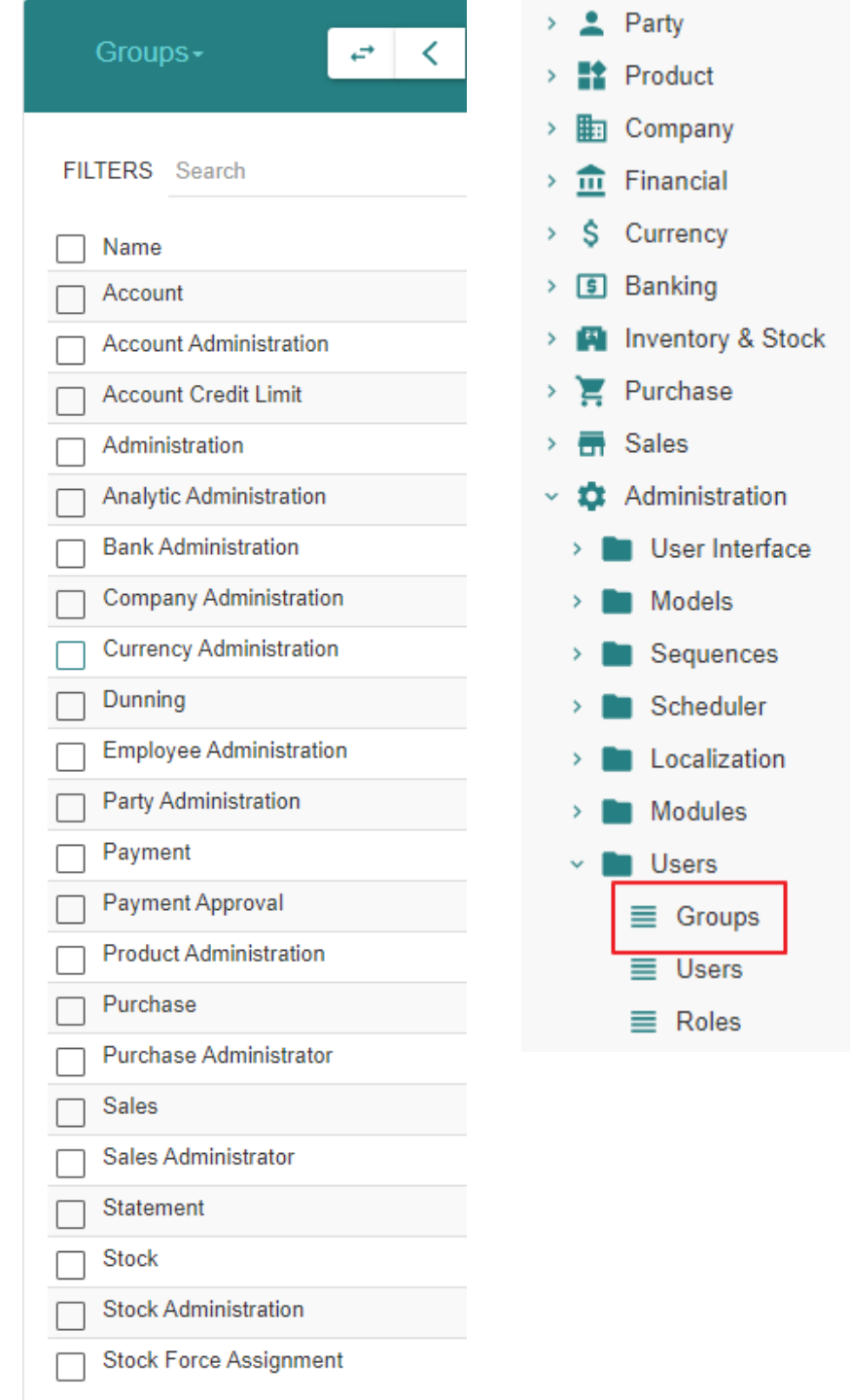


User Groups - Modify

List of « User Groups »

Linking the « User » and the « Group » is possible in two ways :

- Method 1 : displaying the choosen group then linking the user to it
- Method 2 : displaying the choosen user then linking the group to it



Attach « User Marc » to a « User Group » - Method 1

Groups ▾

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Name: Currency Administration



Active:



Members

Access Permissions

Users

| <input type="checkbox"/> Name | Login | Sessions |
|--|-------|----------|
| <input type="checkbox"/> Administrator | admin | 2 |
| <input checked="" type="checkbox"/> Marc | marc | 1 |

Groups ▾

Name: Currency Administration

Members

Access Permissions

Access Model

Rules

Buttons

Access Menu

Access Model

| | Read Access | Write Access | Create Access | Delete Access | Model |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Currency |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Currency Rate |

Groups ▾

↔ < 8 / 2 >

FILTERS Search

- ☐ Name
- ☐ Account
- ☐ Account Administration
- ☐ Account Credit Limit
- ☐ Administration
- ☐ Analytic Administration
- ☐ Bank Administration
- ☐ Company Administration
- ☒ Currency Administration

Attach a « User Group » to « User Marc » - Method 2

Users

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🔄

🔗

🖨

✉

Name: Marc

Active: ☒

User

Actions

Access Permissions

Applications

Preferences

Roles

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🗑

↶

| <input type="checkbox"/> | Role | From Date | To Date |
|--------------------------|------|-----------|---------|
|--------------------------|------|-----------|---------|

Groups

+

-

| | |
|-------------------------------------|-------------------------|
| <input type="checkbox"/> | Name |
| <input checked="" type="checkbox"/> | Currency Administration |

User Roles - Modify

« User Roles »

We define a « Role » that aggregates two « Groups »



FILTERS Search

☐ Name

☒ Currency & Country Administration



Name: Currency & Country Administration

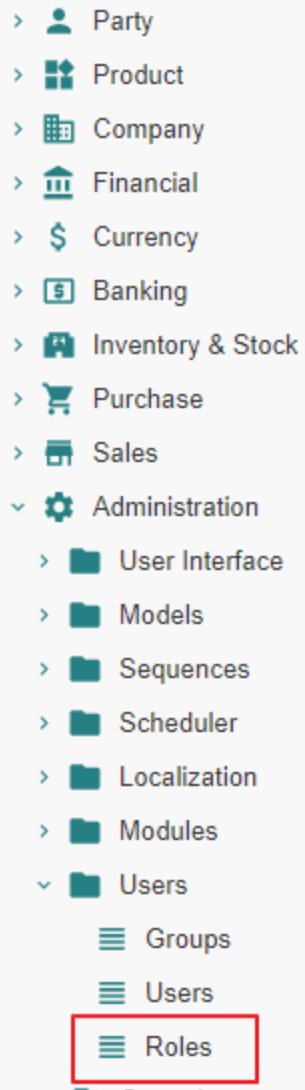


Groups

☐ Name

☒ Company Administration

☐ Currency Administration



Attach « User Paula » to a « User Role » 1/2

- Once a « Role » is defined, it can be referenced by a « User »
- Attaching a « Role » allows also to restrain the « from » and « to » dates

The screenshot displays the 'Users' management interface. At the top, a teal header bar contains the 'Users' label and a series of icons for navigation and actions. Below this, the user 'Paula' is selected, with an 'Active' checkbox checked. The 'Access Permissions' tab is active, showing a table of roles assigned to the user. A red box highlights the role 'Currency & Country Administration' with a 'From Date' of '2021-01-01' and a 'To Date' of '2021-12-31'. A red arrow points from this role to the 'Groups' section below, which shows a list of groups with 'Company Administration' selected.

| Role | From Date | To Date |
|---|------------|------------|
| <input checked="" type="checkbox"/> Currency & Country Administration | 2021-01-01 | 2021-12-31 |

| Groups |
|--|
| <input checked="" type="checkbox"/> Company Administration |
| <input type="checkbox"/> Currency Administration |

Attach « User Paula » to a « User Role » 2/2

- We must remember that « User Paula » has no reference so far to « Company COM01 »
- In order to obtain the intended result for « User Paula », i.e. displaying the « Country » and « Currency » Menu Tree Items, we must add that reference.

The screenshot shows the 'Users' management interface. At the top, there's a teal header with 'Users' and a navigation bar with icons. Below the header, the user's name 'Paula' is highlighted with a red box. To the right of the name is an 'Active' checkbox which is checked. Below the name bar, there are tabs for 'User', 'Actions', 'Access Permissions', 'Applications', and 'Preferences'. The 'User' tab is selected. Under the 'User' tab, there are fields for 'Login: paula' and 'Email: p@g.c'. Below these is a 'Password' field with a 'SHOW' button and a 'RESET PASSWORD' button. Below the password field, 'Main Company: COM01' and 'Current Company: COM01' are both highlighted with red boxes. Below these are 'Current Employee:' and 'Current Warehouse:' fields. At the bottom, there's a table with columns: Party, Company, Supervisor, Start Date, and End Date. The table is currently empty.

| Party | Company | Supervisor | Start Date | End Date |
|-------|---------|------------|------------|----------|
|-------|---------|------------|------------|----------|

User Capabilities - Post

State - User Capabilities

Tryton Action Currencies Marc [EUR]

> Party
> Product
✓ \$ Currency
 Currencies
> Banking

Currencies

1 / 170

FILTERS Search

| <input type="checkbox"/> | Name | Symbol | Code | Numeric Code | Current rate |
|-------------------------------------|------------|--------|------|--------------|--------------|
| <input checked="" type="checkbox"/> | UAE Dirham | د.إ. | AED | 784 | 0.000000 |
| <input type="checkbox"/> | Afghani | Afs | AFN | 971 | 0.000000 |

« User Marc »

Tryton Action Companies Paula [EUR]

> Party
> Product
✓ Company
 Companies
 Companies
 Employees
> \$ Currency
> Banking

Companies

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FILTERS Search

| <input type="checkbox"/> | Party | Currency |
|-------------------------------------|-------|----------|
| <input checked="" type="checkbox"/> | COM01 | Euro |

« User Paula »