

Tryton By Example

-

Tryton installation & usage
for first time administrators & users

-

Basic Functionality

Github - <https://github.com/clixwise/tryton-by-example>

Version of presentation : [5.0](#)

Version of Tryton : 5.8

Verified for execution on : Windows 10 & Powershell 7

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Author : Marc Rottiers



















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

Table of Contents

TOC

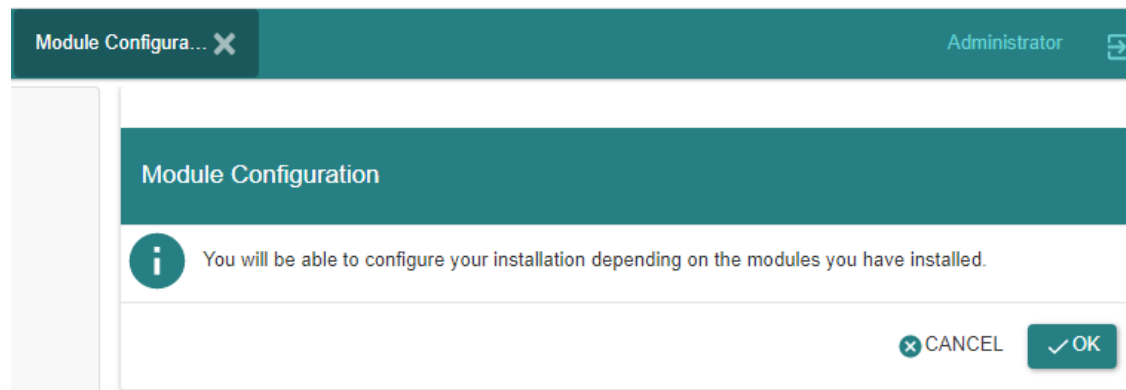
Initial Configuration Wizard	Performing Initial Configuration : language, user, module
Operations	Explaining how to perform Operations
Modules	Explaining the concept of Modules
Basic Configuration	Basic Configuration
Country & Currency	Installing Country & Currency
Party & Company & Employee	Installing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

Initial Configuration Wizard

Configuration Wizard

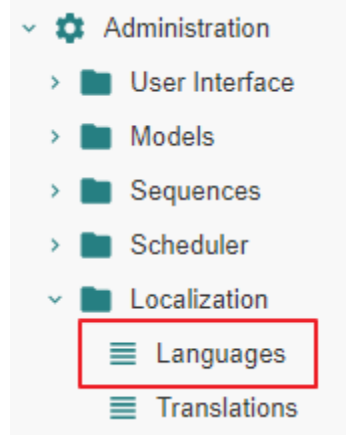
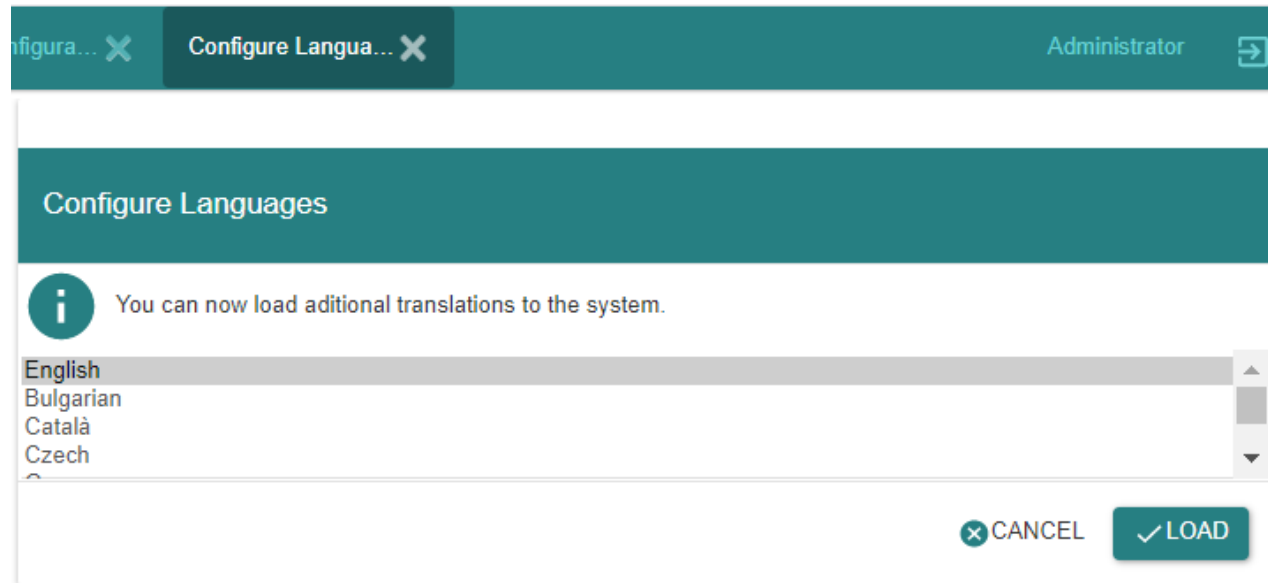
This wizard allows :

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



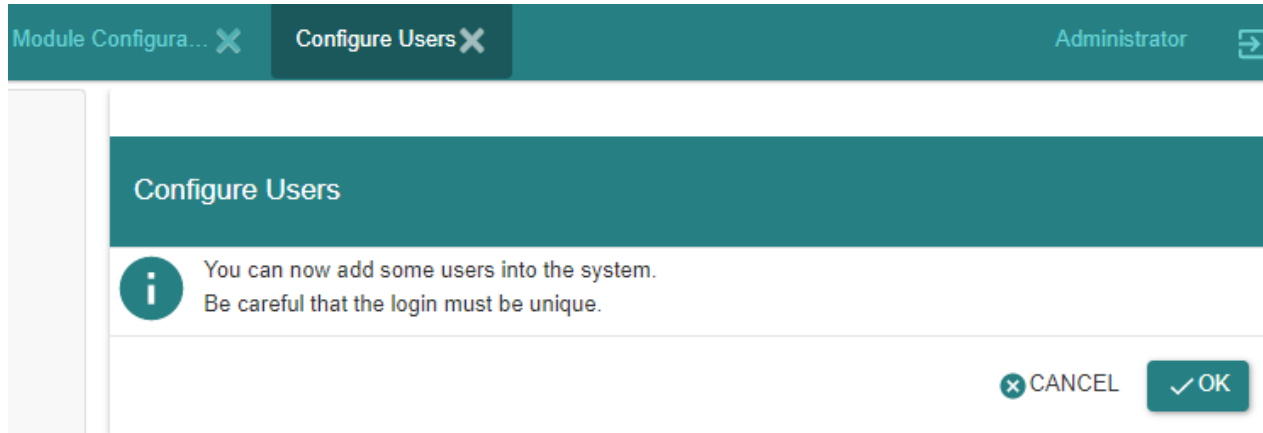
Adding « Languages »

This wizard allows to define new languages



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

Defining « Users »



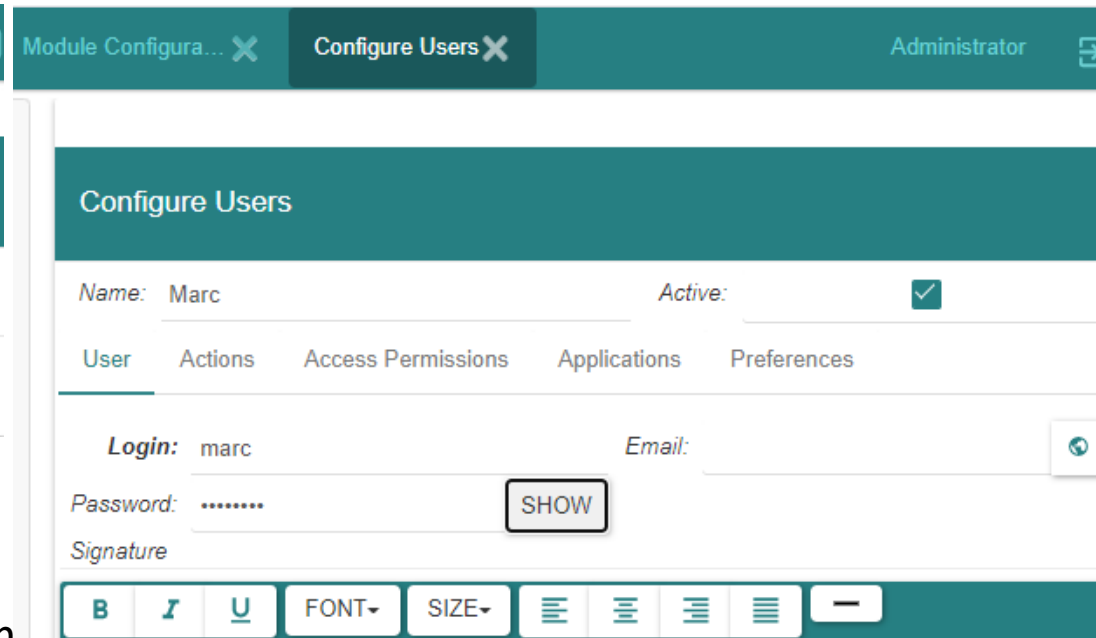
Module Configura... X Configure Users X Administrator

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: ☒

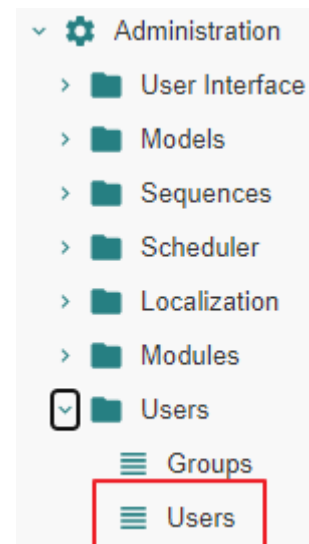
User Actions Access Permissions Applications Preferences

Login: marc Email:

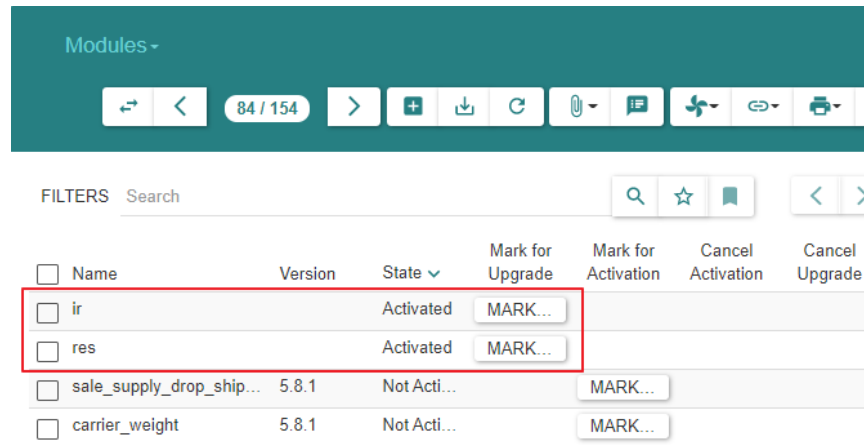
Password: SHOW

Signature

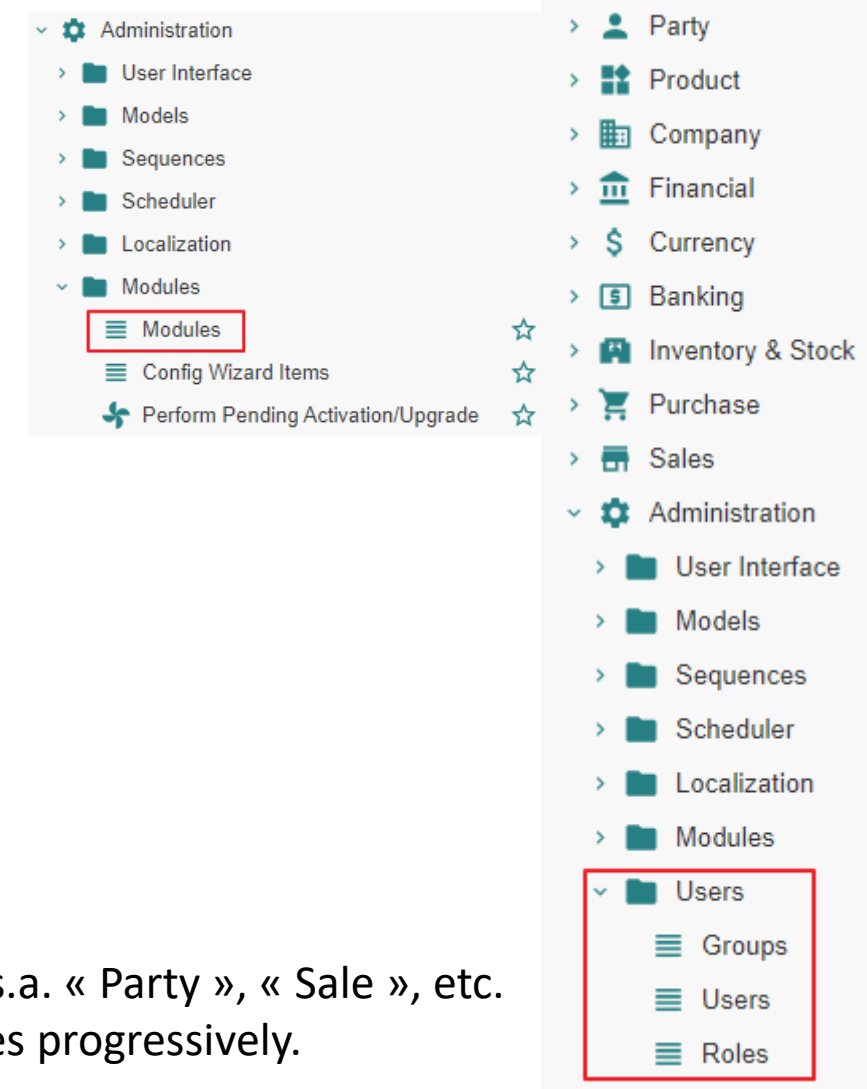
B I U FONT SIZE [List Bulleted] [List Numbered] [List Disc] [List Circle] -



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

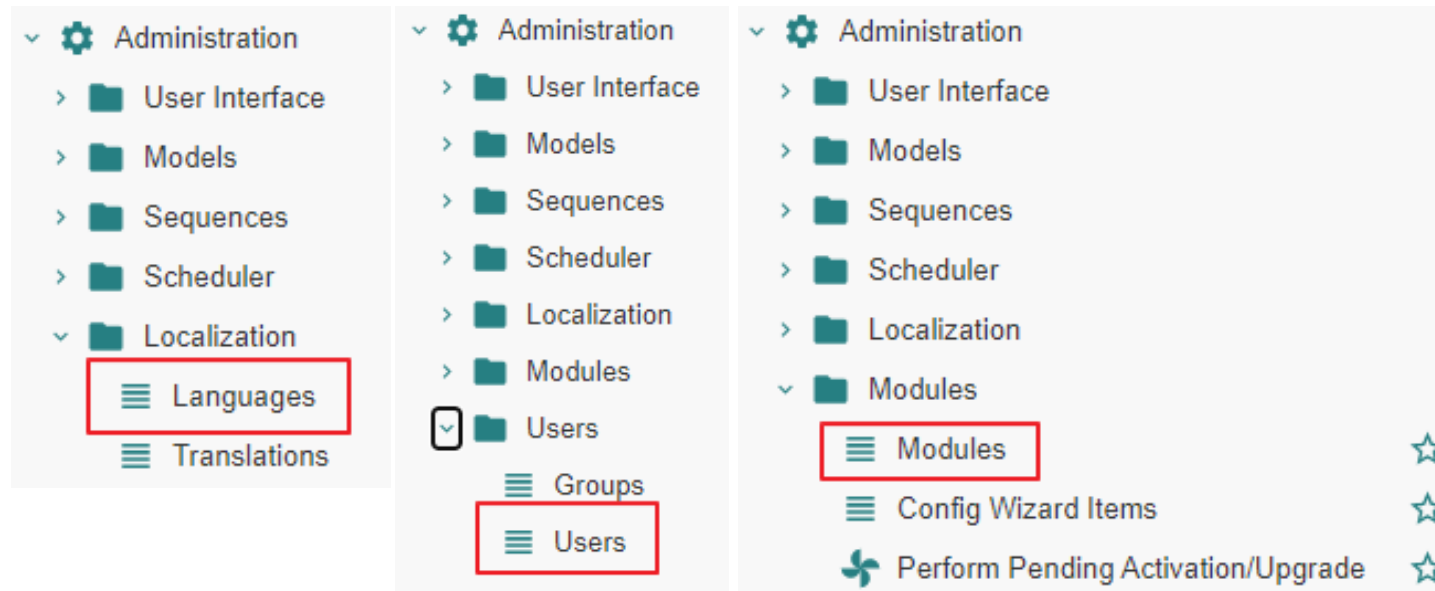
- Modules must be activated for this user to access functional subject areas s.a. « Party », « Sale », etc.
- As we progress in our understanding of the system, we will activate modules progressively.
- We do this by referring to the menu item « Modules ».

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 ▾

1 / 5

FILTERS Search

Action	Sequence	State
<input checked="" 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

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

Config Wizard Items ▾

1 / 5

FILTERS Search

Module Configuration

Translate view

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

- > 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...

Module Configuration (1)



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

✕ CANCEL

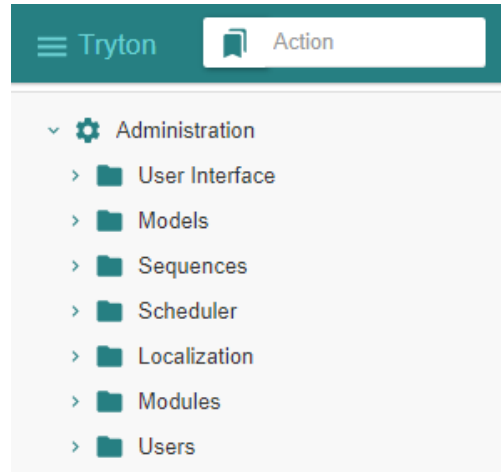
✓ OK

Operations

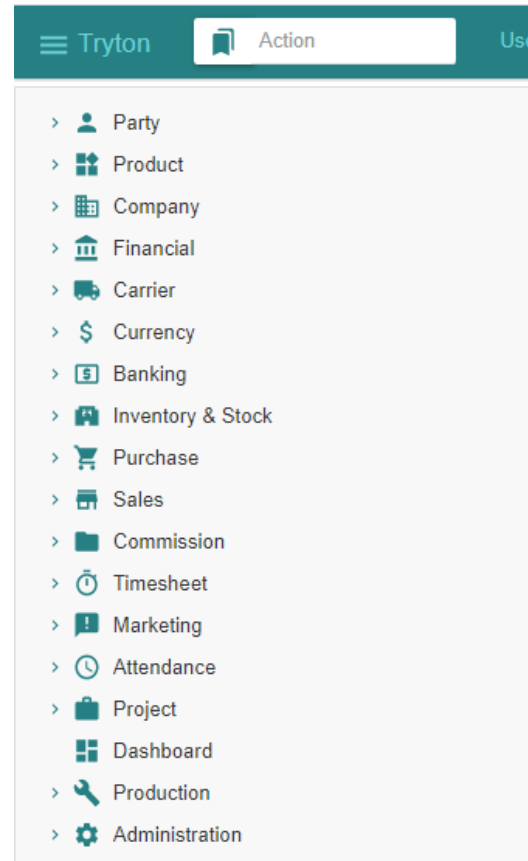
Motivation

- 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

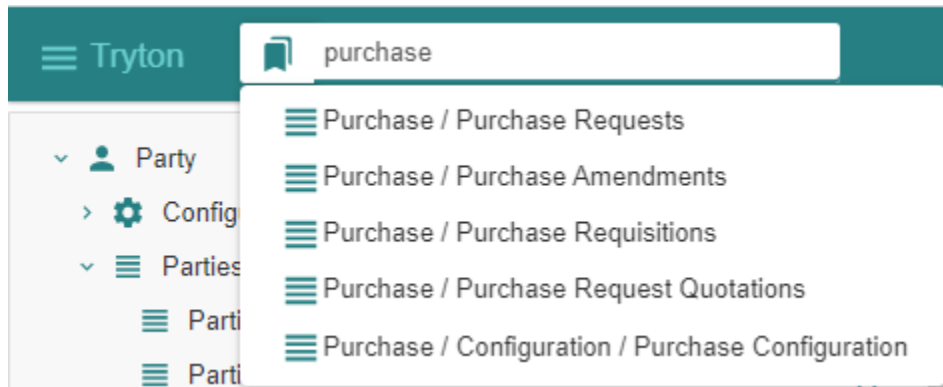


State of Menu Tree
when
All modules activated

- 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

<input type="checkbox"/>	Code	Name
<input type="checkbox"/>	1	COM01
<input type="checkbox"/>	2	EMP01
<input type="checkbox"/>	3	SUP01

Code

Code

Name

Name

Tax Identifier

Tax Identifier

Receivable Today

..

Payable Today

..

Deposit

..

SIREN

SIREN

ID

..

Created by

Created by

Created at

From

..

To

Modified by

Modified by

Modified at

From

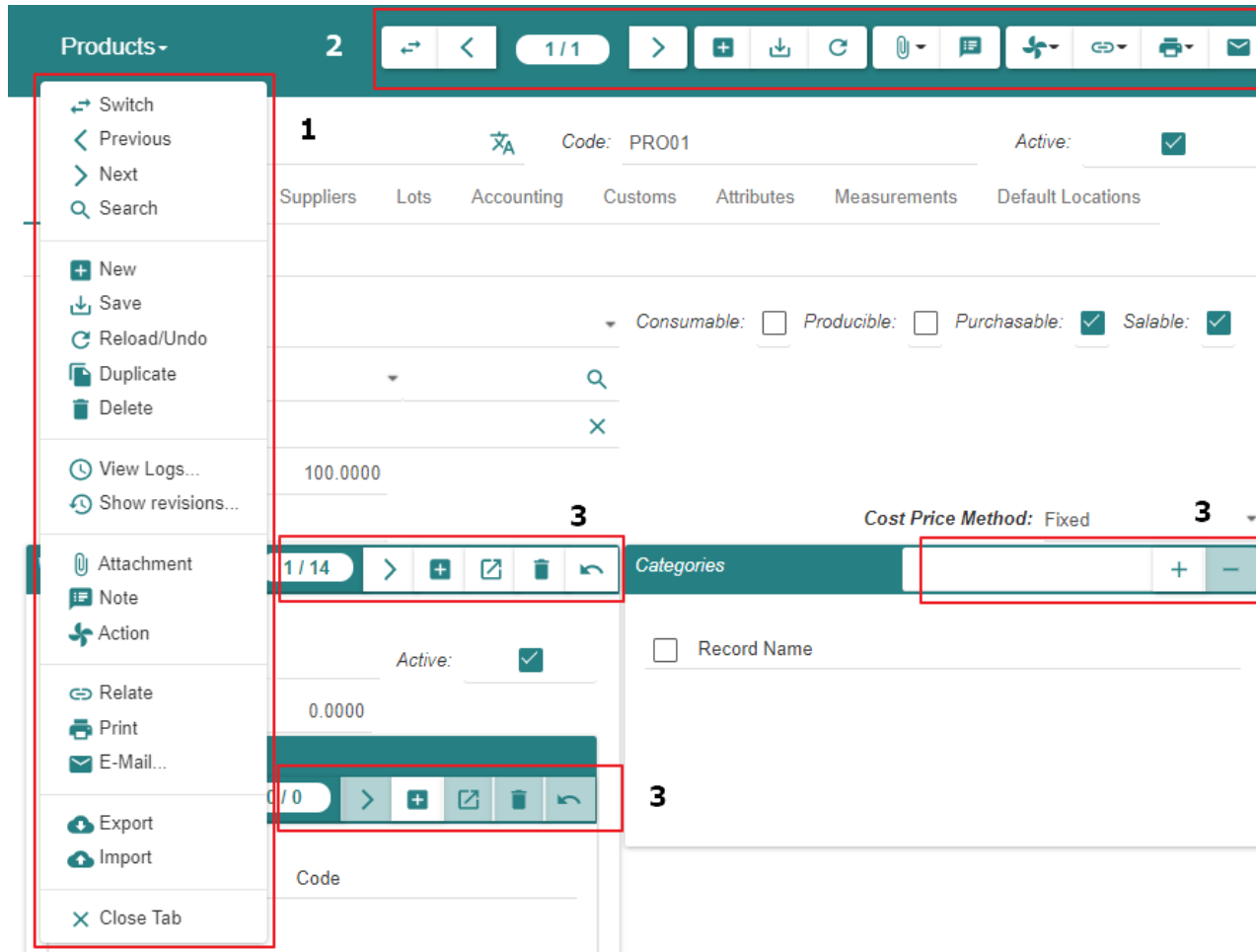
..

To

FIND

15

Entity - Menu Bars - An overview

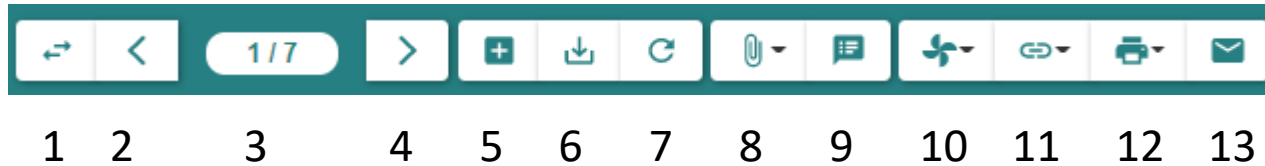


1. Vertical menu bar displays all possible operations
2. Horizontal menu bar displays some entity or list operations
3. Horizontal menu bars display intra-entity operations

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 »

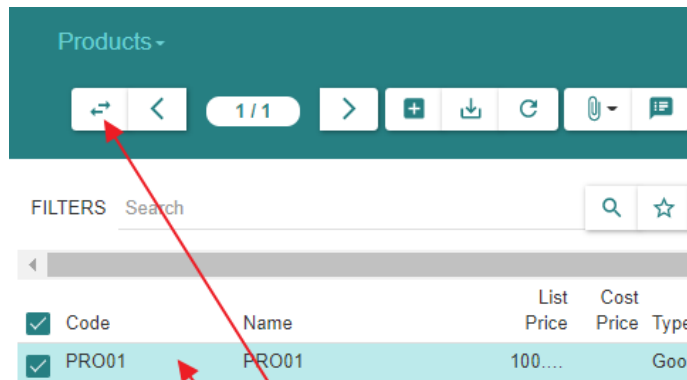
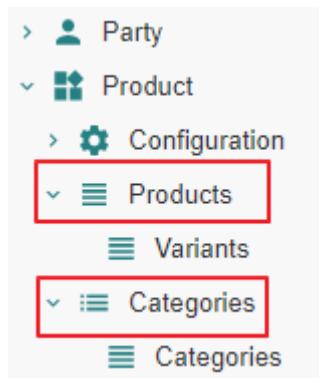
When displaying a list of items, double-click on one of them mostly generates the same result as « <- -> ».

There are however exceptions whereby :

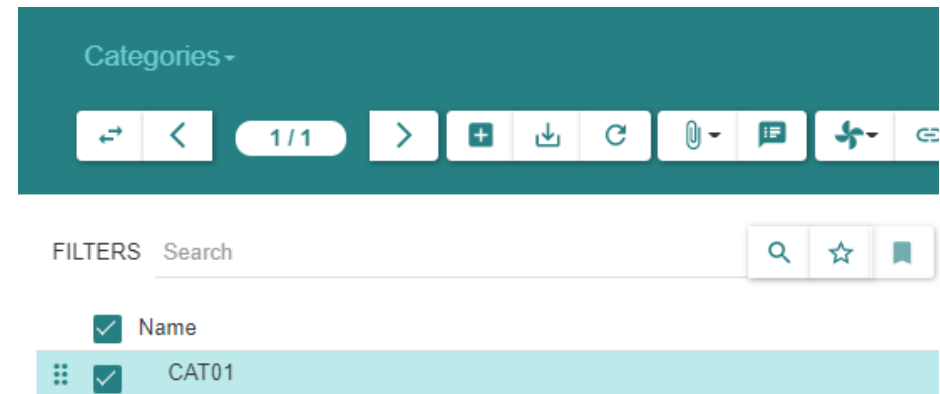
- « <- -> » displays either nothing or details about the item itself.
- « double-click » provides a « drill-down view » of objects belonging to the item

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



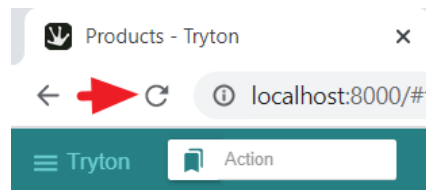
Double click : Products by Category (drill-down)
<- -> : Properties of Category

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.

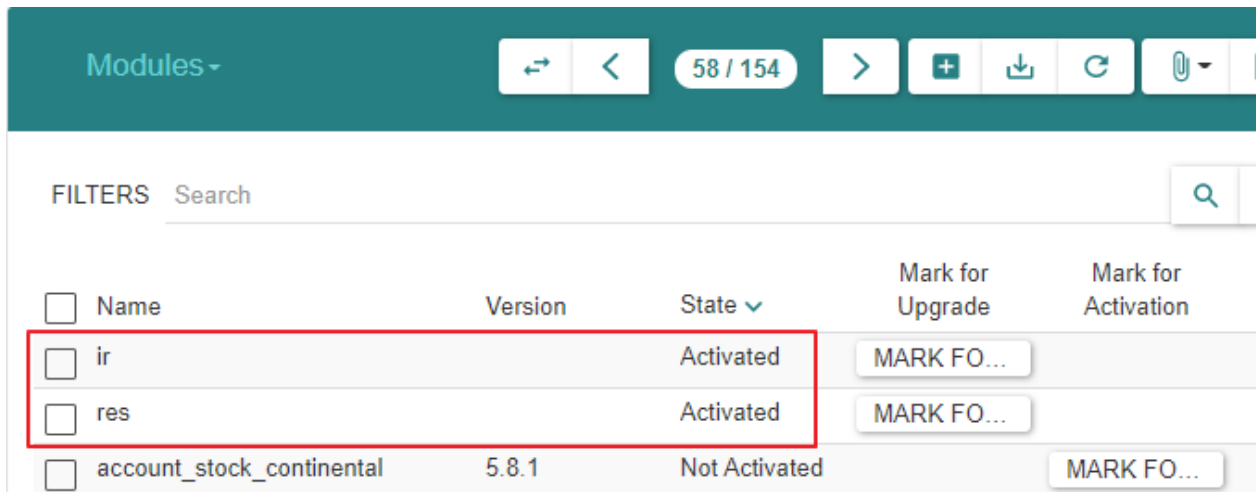
Initially, all but two modules (« ir » & « res ») are inactivated : see below.

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...

- 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...

>

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↺

📎

💬

⚙

FILTERS

Search

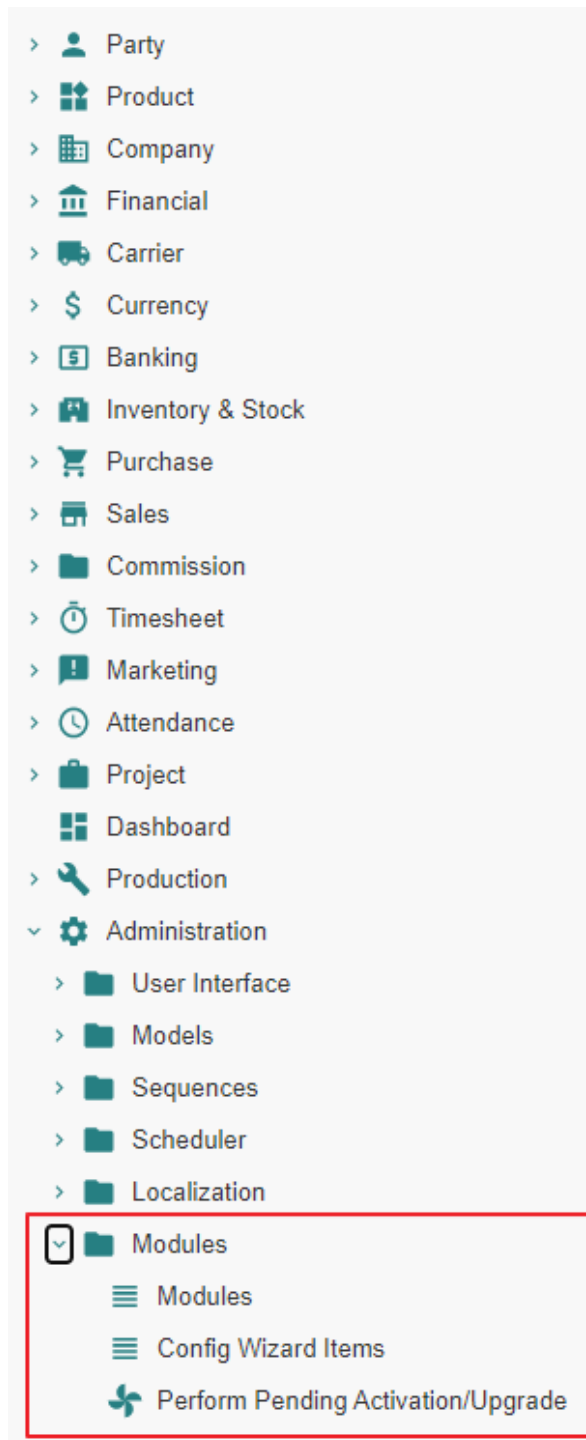
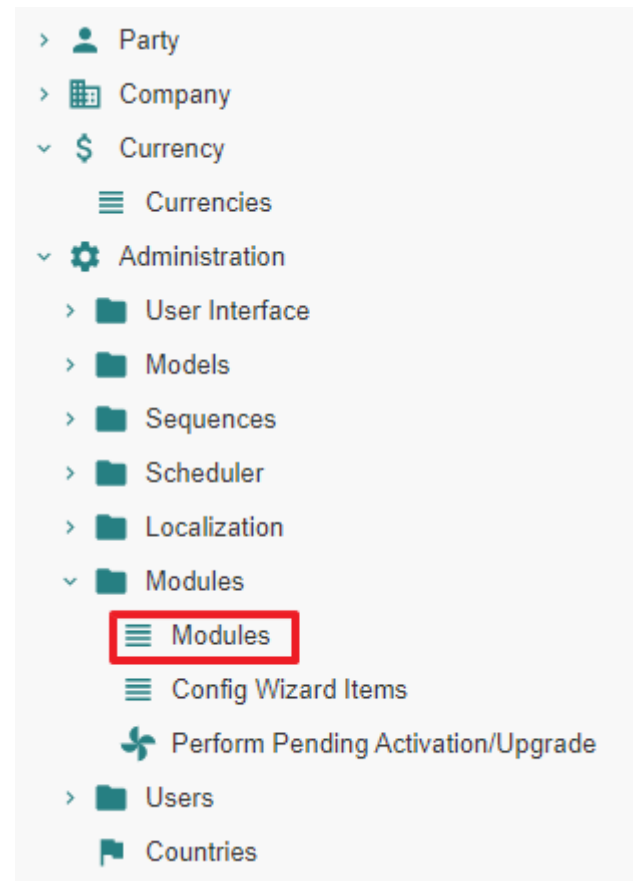
<input type="checkbox"/>	Name	Version	State	Mark for Upgrade	Mark for Activation	Cancel Activation	Car
<input type="checkbox"/>	res		Activated	MARK FOR UPGRADE			
<input type="checkbox"/>	party_relationship	5.8.1	Activated	MARK FOR UPGRADE			
<input type="checkbox"/>	ir		Activated	MARK FOR UPGRADE			
<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...		

Perform Pending Activation/Upgrade

Translate view

Modules

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

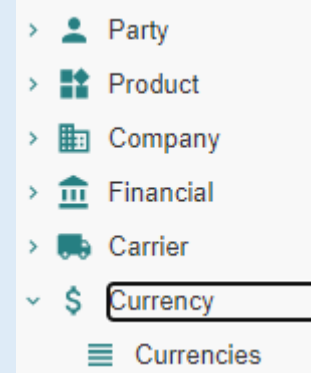
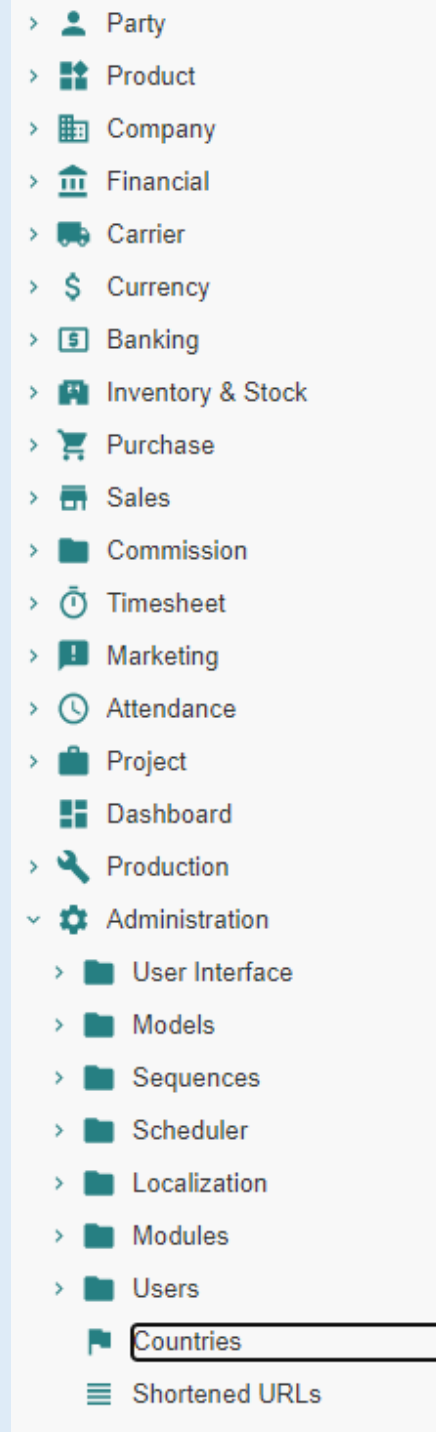


Basic Configuration

Motivation

- Before examining the typical ERP transactions like « Sales », etc. we need to activate modules that support the different « basic 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

Finally, for each « Currency » of use in the « Company » operations, it is advised :

- To set the « Rate » property to 1.0 for a « Reference Currency » ; f.i. « EUR rate » = 1.0
- To set the « Rate » property to a relative value for each « Relative Currency » ; f.i. « USD rate » = 1.2
- When the « Company » operates in a single currency environment, the « 1.0 » multiplication factor is used
- When the « Company » operates in a multi-currency environment, each currency-related rate is used in addition as multiplication factor

Documentation

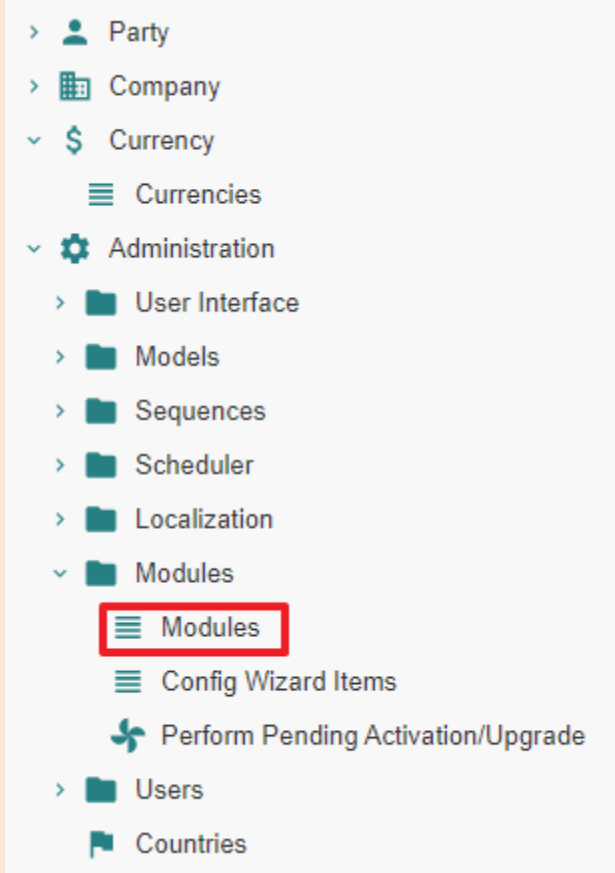
<https://docs.tryton.org/projects/modules-country/en/latest/>

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

Perform Pending Activation/Upgrade

Cancel Activation

Translate view

MARK FOR ACTIVAT...

MARK FOR ACTIVAT...

CANCEL ACTIVATION

CANCEL ACTIVATION

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 ▾

↩ < 47 / 154 > +

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

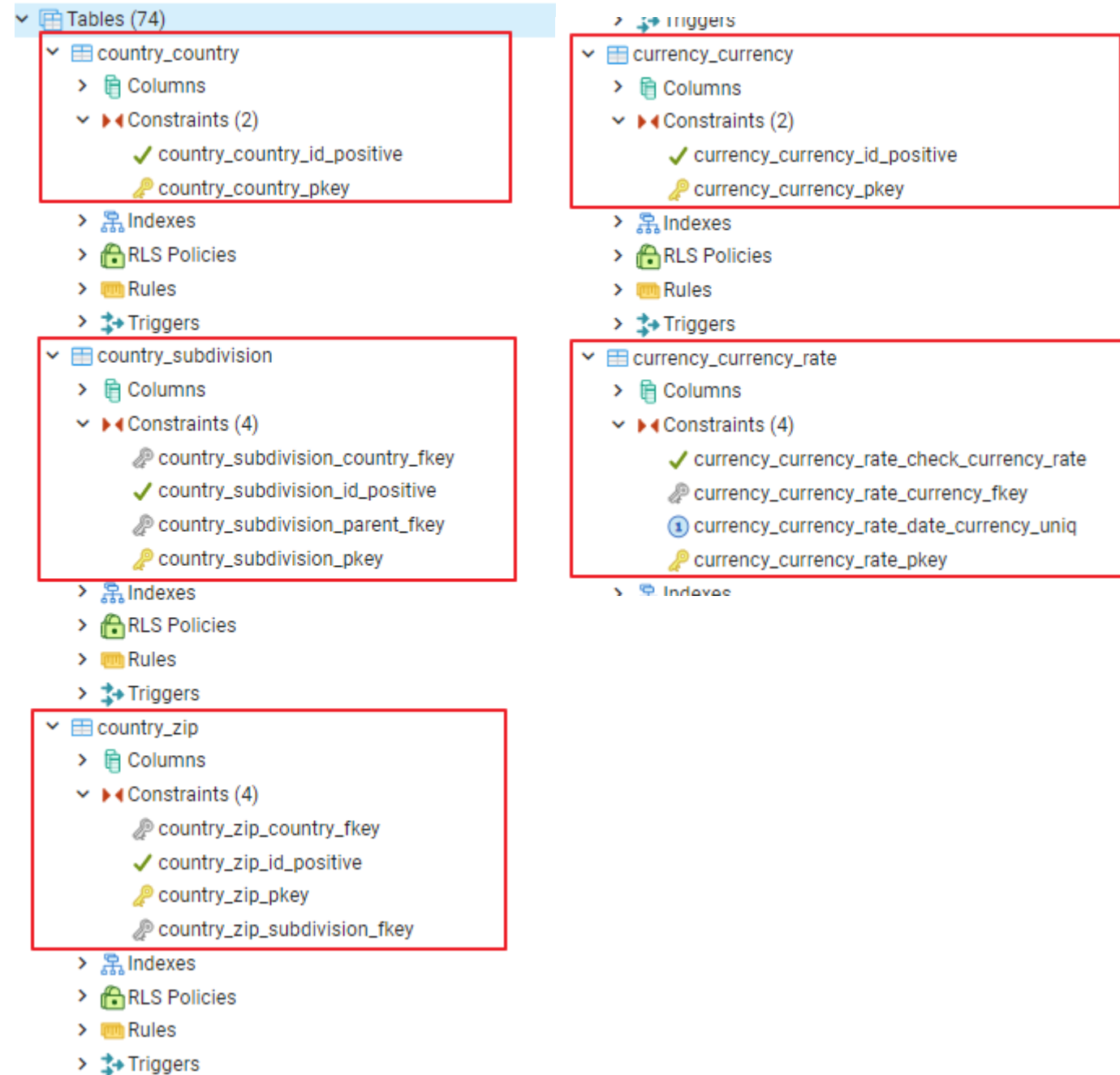
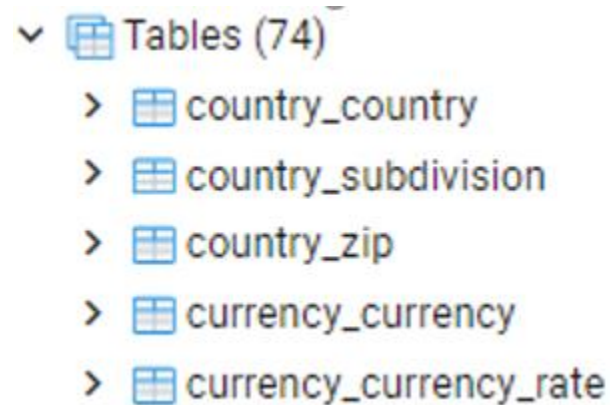
📁 Countries

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

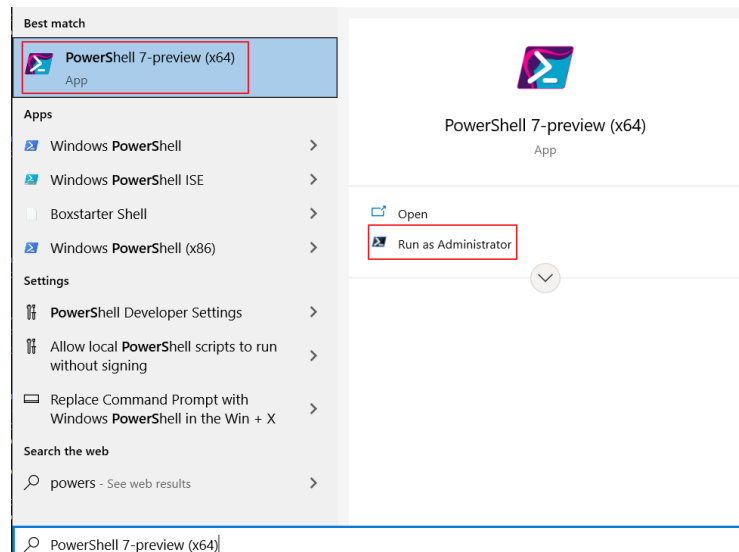
Documentation

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

List of scripts related to some of the topics covered in this document

- The « *.ps1 » files are Powershell scripts
- Powershell can be accessed as indicated
- The above scripts need some tuning with respect to the exact operation to be performed
- The scripts are executed as e.g. :
./"Tryton 5.8 - Doc 05.01 - Basic functionality.import.tryt01.countries"

Load TRYTON tables “Countries” & “Currencies”	
Tryton 5.8 - Doc 05.01 - Basic functionality.import.tryt01.countries	Fill tables with ISO countries
Tryton 5.8 - Doc 05.01 - Basic functionality.import.tryt01.currencies	Fill tables with ISO currencies



« 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, **kwargs)
/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

1 / 170

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

1 / 249

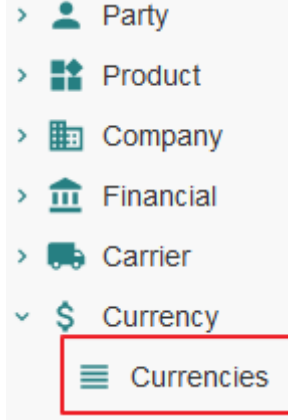
FILTERS Search

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

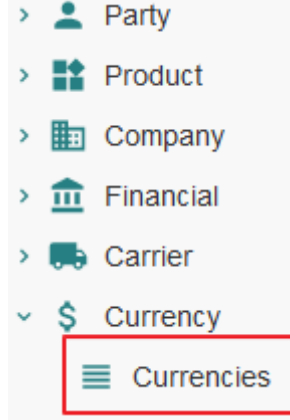
Currency Rates

Motivation

- Multi-currency operations are supported
- In this is required, we need to define the rates for :
 - A « Reference Currency Rate » ; that rate will be 1.0
 - One or more « Relative Currency Rates » ; those rates will be relative to the reference rate.
- Exemple :
 - Our reference currency is EUR : its rate is 1.0
 - One or our relative currencies is USD : ist rate is 1.2 (2021)
- For each relative currency, we define as many dates as we want considering those dates are « Dates From » for the relative rate applicable from that moment onward.



Setting a « Reference Currency Rate » as of « Date from »



Name: Euro **Symbol:** € **Active:** ☒

Code: EUR **Numeric Code:** 978

Rounding factor: 0.01 **Digits:** 2 **Cash Rounding Factor:**

Rates

Current rate: 1.000000

Rates

Date	Rate
2021-01-01	1.000000



FILTERS Search

Name	Symbol	Code	Numeric Code	Current rate
Euro	€	EUR	978	1.000000

« EUR » is our « Reference Currency Rate ».
Hence we set the rate at value 1.0

Setting « Relative Currency Rates » as of « Date from »

Currencies

143 / 1...

FILTERS Search

Name	Symbol	Code	Numeric Code	Current rate
<input checked="" type="checkbox"/> US Dollar	US\$	USD	840	0.000000

Name: US Dollar **Symbol:** US\$ **Active:** ☒

Code: USD **Numeric Code:** 840

Rounding factor: 0.01 **Digits:** 2 **Cash Rounding Factor:**

Rates

Current rate: 1.200000

Rates

1 / 1

Date	Rate
<input checked="" type="checkbox"/> 2021-01-01	1.200000

Currencies

143 / 1...

FILTERS Search

Name	Symbol	Code	Numeric Code	Current rate
<input checked="" type="checkbox"/> US Dollar	US\$	USD	840	1.200000

- > Party
- > Product
- > Company
- > Financial
- > Carrier
- > Currency
 - Currencies

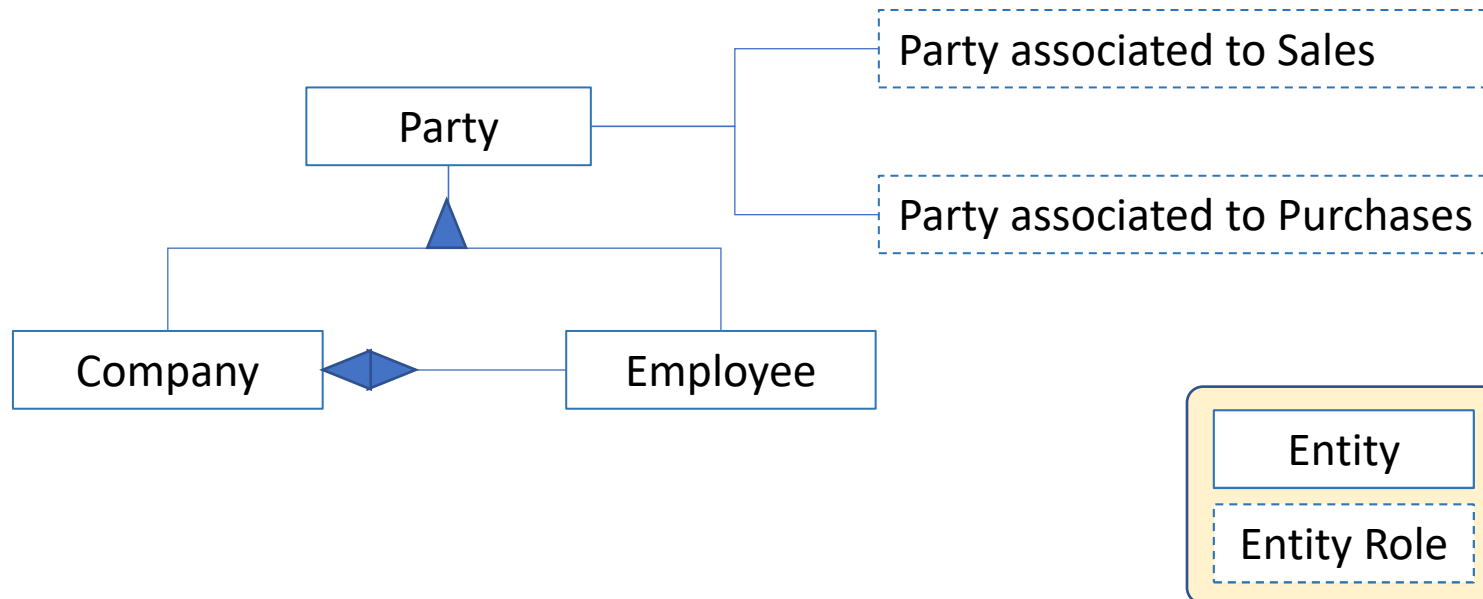
- « USD » is used in our « Company »
- So one of the « Relative Currency Rates » pertains to that « Currency ». Hence we set the rate at value 1.2 as of 2021-01-01 with respect to the « EUR »
- We can define additional « Relative Currency Rates »
 - For other currencies
 - For other « Date from » values

« 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

Please c

1 `SELECT * FROM public.res_user`
2 `ORDER BY id ASC`

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	@gmai...
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

Modules

53 / 154

Perform Pending Activation/Upgrade

Cancel Activation

Mark for Upgrade

Mark for Activation

Translate view

FILTERS Search

Name	Version	State	Mark for Upgrade	Mark for Activation	Translate view
<input type="checkbox"/> party	5.8.1	To be activated	CANCEL A...		
<input type="checkbox"/> party_relationship	5.8.1	To be activated	CANCEL A...		
<input checked="" type="checkbox"/> party_siret	5.8.1	To be activated	CANCEL A...		
<input type="checkbox"/> product	5.8.1	Not Activated	MARK FO...		

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

<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

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

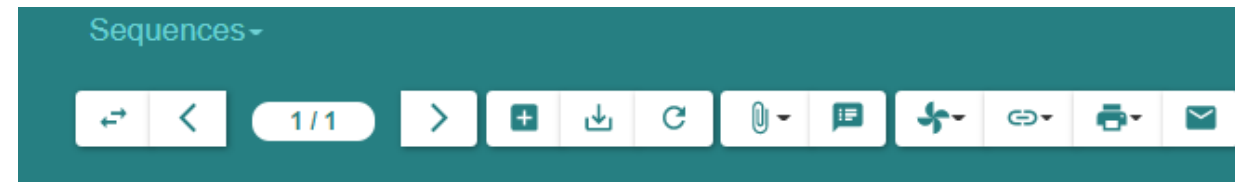
Value

Name

URL

Record Name

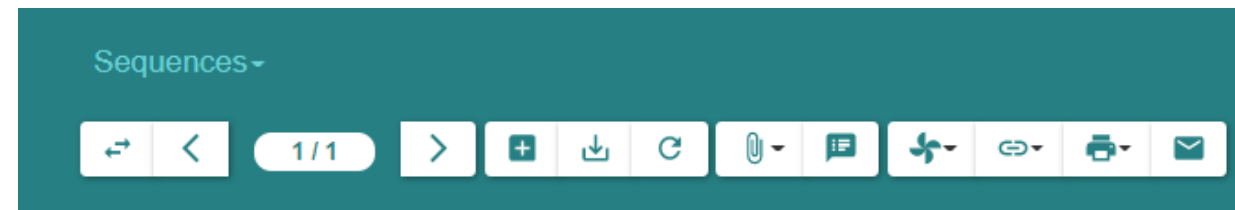
Status Post - Menu Tree Item « Sequence »



FILTERS Search



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



Sequence Name: Party

Sequence Code: Party Active: ☒

Prefix: Suffix:

Type: Incremental

Incremental

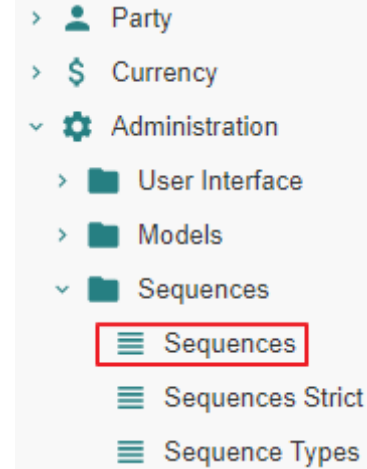
Number padding: 0 Increment Number: 1

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



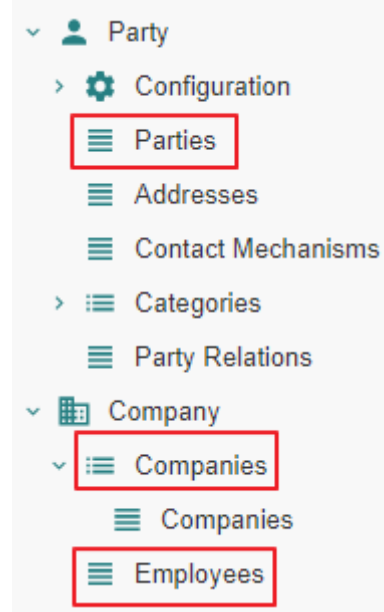
Database tables created

- ▼  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

52 / 154

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

79 / 154

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

53 / 154

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

↔

<

9 / 15

FILTERS

Search

Name

Version

State

Mark for Upgrade

res

Activated

MARK FOR UPGR...

party_siret

5.8.1

Activated

MARK FOR UPGR...

country

5.8.1

Activated

MARK FOR UPGR...

currency

5.8.1

Activated

MARK FOR UPGR...

party

5.8.1

Activated

MARK FOR UPGR...

party_relationship

5.8.1

Activated

MARK FOR UPGR...

company

5.8.1

Activated

MARK FOR UPGR...

company_work_time

5.8.1

Activated

MARK FOR UPGR...

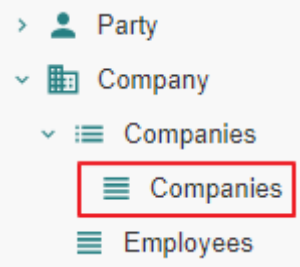
ir

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:

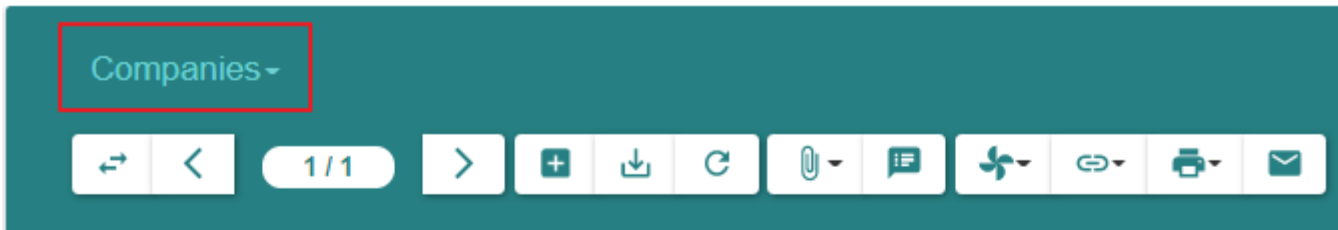
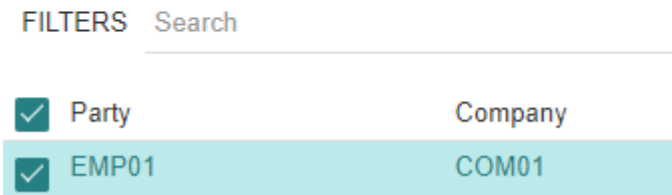
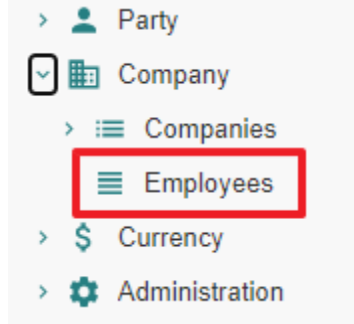
- > Party
- > Company
 - > Companies
 - Employees**
- > Currency
- > Administration

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

Creating « Employee » EMP01



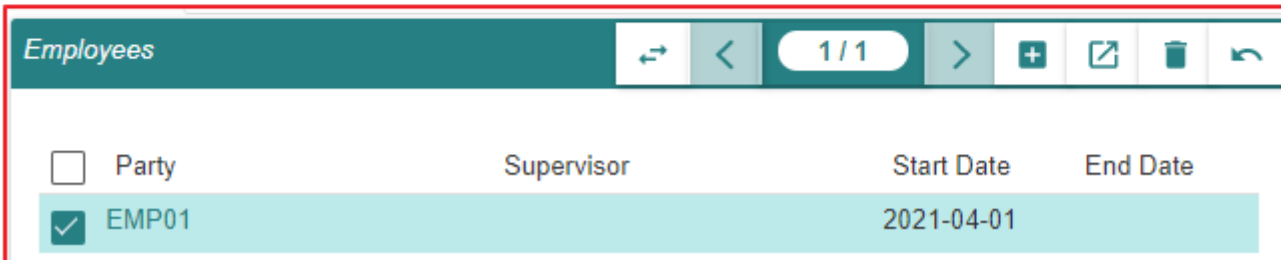
- The « Employee » appears now
 - In the list of employees
 - In the list of employees for « Company » COM01



Party: ☐ COM01 ☒ Currency: ☐ Euro ☒ Timezone: Europe/Brussels

Company Work Time Reports

Parent:



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

1 / 3

Name: Administrator Active: ☒

User Actions Access Permissions Applications Preferences

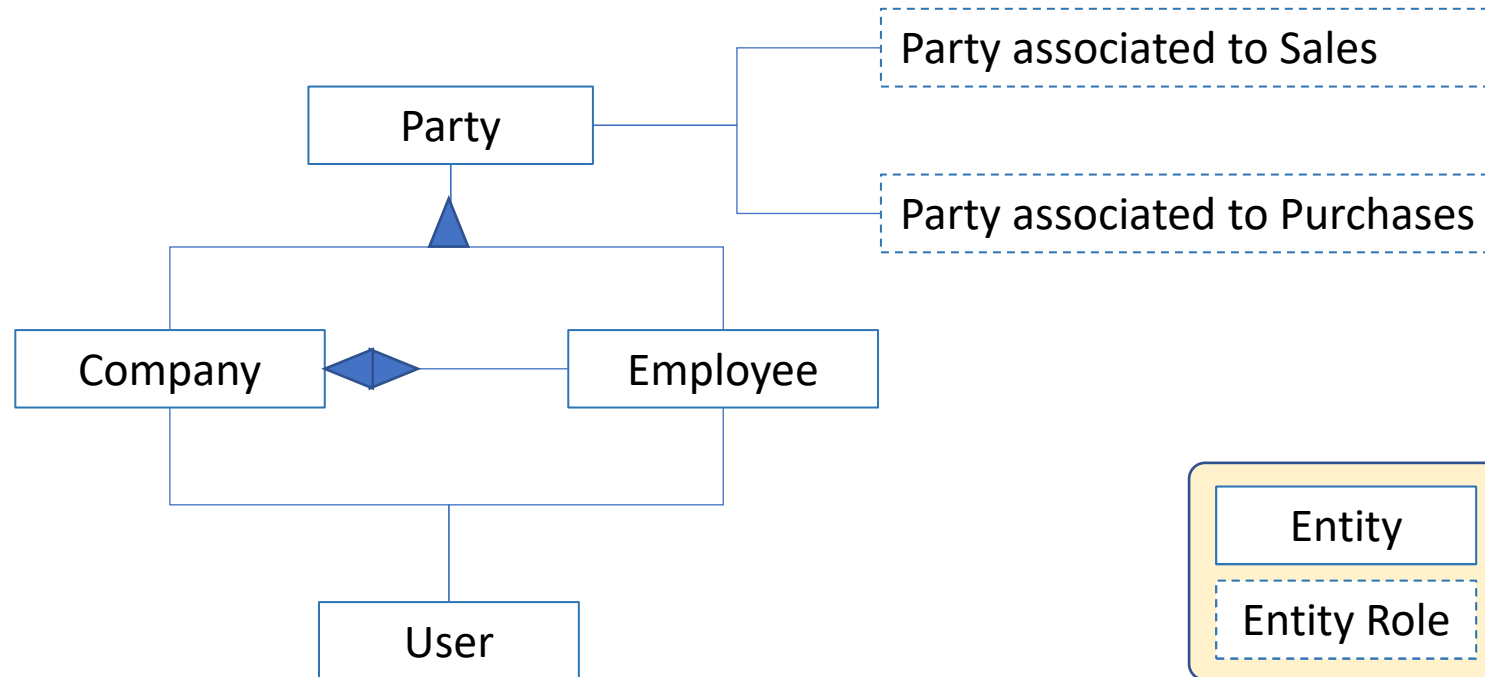
Login: admin Email: x@g.c

Password: SHOW RESET PASSWORD

Main Company: COM01 Current Company: COM01

Current Employee:

Definitions : « User » and « Employee »



Application - Activating Modules

Activating module « User_role »

Modules ▾

↔

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149 / 1...

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↻

📎

💬

⚙

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

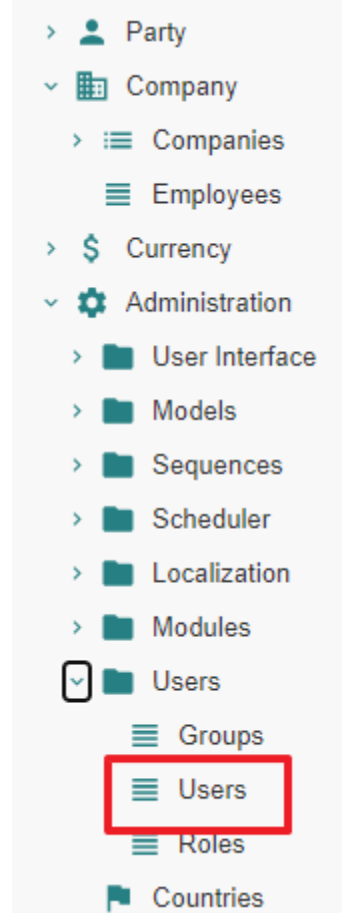
Password: SHOW RESET PASSWORD

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

 2 / 4 

Name: Gustave

Active: ☐

User


Actions

Access Permissions

Applications


Preferences


Login: gustave


Email: 

Password:







SHOW

Main Company: 

Current Company: 

Current Employee: 

Users

 _ / 3 

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

Administrator

Users

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FILTERS

Search

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<input type="checkbox"/> Name	Login	Sessions
<input 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 - 1/2

FILTERS Search

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

State « Post » - User « Paula », « Marc »

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

Tryton Action Parties X Gustave

Parties

FILTERS Search

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

Tryton Action Parties X Gustave

Parties

Name: COM01 Code: 1 Active: ☒

General Identifiers Relations

Addresses

Party Name: COM01 Active: ☒ Sequence:

Building Name: COM01 Building SIRET NIC: SIRET:

Street: //

Zip: City:

Country: Subdivision:

State « Post » - Database

Tables (95)

> company_company	> ir_configuration	> ir_model_field_access	> ir_ui_icon	> res_role
> company_employee	> ir_cron	> ir_module	> ir_ui_menu	> res_role-res_group
> country_country	> ir_email	> ir_module_config_wizard_item	> ir_ui_menu-res_group	> res_user
> country_subdivision	> ir_email_address	> ir_module_dependency	> ir_ui_menu_favorite	> res_user-company_employee
> country_zip	> ir_email_template	> ir_note	> ir_ui_view	> res_user-ir_action
> cron_company_rel	> ir_email_template-ir_action_report	> ir_note_read	> ir_ui_view_search	> res_user-res_group
> currency_currency	> ir_export	> ir_queue	> ir_ui_view_tree_state	> res_user_application
> currency_currency_rate	> ir_export-res_group	> ir_rule	> ir_ui_view_tree_width	> res_user_login_attempt
> ir_action	> ir_export-write-res_group	> ir_rule_group	> party_address	> res_user_role
> ir_action-res_group	> ir_export_line	> ir_rule_group-res_group	> party_address_format	> res_user_warning
> 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	

« 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 this, the 'Administrator' user profile is shown with fields for Name, Active status, Login, Password, Email, and a 'SHOW' button. The 'Main Company' and 'Current Company' are both set to 'COM01', and the 'Current Employee' is set to 'EMP01'. A table below lists employees, with 'EMP01' selected and associated with 'COM01' and a start date of '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, there are 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. To the right of the password field is a 'RESET PASSWORD' button. Below the password field, there are two dropdown menus: 'Main Company' and 'Current Company'. At the bottom, there are two more dropdown menus: 'Current Employee' and 'Current Warehouse'. The 'Current Employee' and 'Current Warehouse' fields are highlighted with a red box. A search icon is visible to the right of the 'Current Warehouse' field.

Chart of Account

We will install the « French » chart of accounts.

Balance Sheet Accounts

#	French	English
40	Client	Customer
41	Fournisseur	Supplier
53	Caisse	Cash

Income Statement Accounts

#	French	English
6x	Charges	Expense
7x	Revenus	Revenue

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 -

1 / 5

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 -

1 / 1

Party: COM01 Currency: Euro Timezone: Europe/Brussels

Company Work Time Reports Invoice

Parent:

Employees

1 / 1

<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

State Post

Account Types ▾

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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

State Post

Accounts ▾

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FILTERS

Search

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☆

<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

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Name: Plan comptable (French)

Code:

Active: ☒

Override Template: ☐

General Information

Children

Deferrals

Note

Company:

COM01

×

Parent:

Type:

Plan de ty

Debit Type:

Closed:

☐

General Ledger Balance:

☐

Start Date:

End Date:

Currency:

Euro

Reconcile:

☐

Default Taxes

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-

<input type="checkbox"/> Name	Group	Type	Company
-------------------------------	-------	------	---------

State Post

▼	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	<div>Done</div> <div>Open</div>


- > 👤 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


105

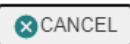

- >  Party
- >  Product
- >  Company
- >  Financial
 - >  Configuration
 - >  Invoices
 - >  Entries
 - >  Payments
 - >  Charts
 - >  Dunnings
 - >  Statements
 - >  Assets
 - >  Processing
 - >  Reporting

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

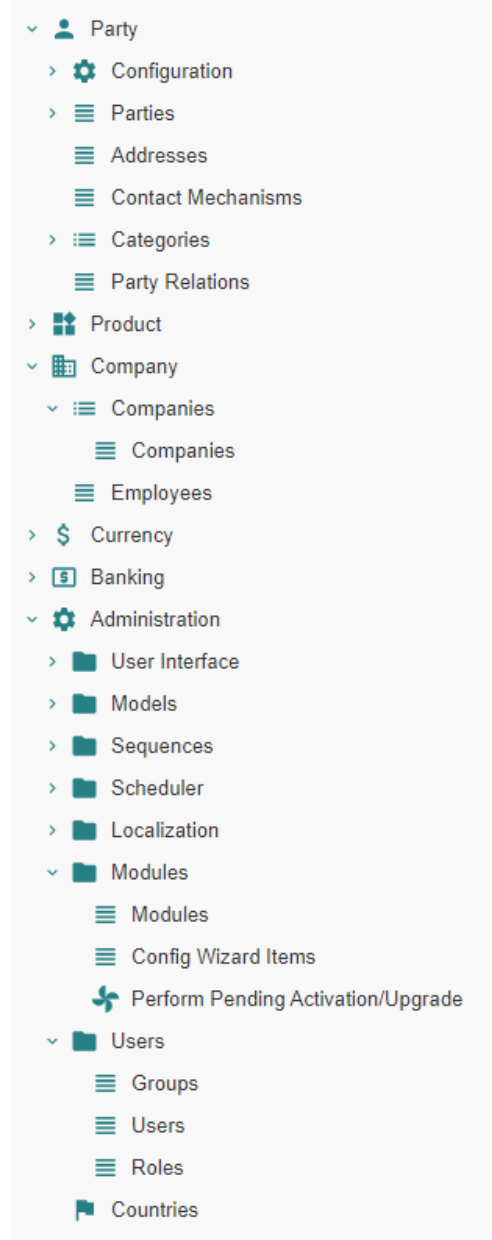
Tax Rule Templates

Create Chart of Accounts from Template

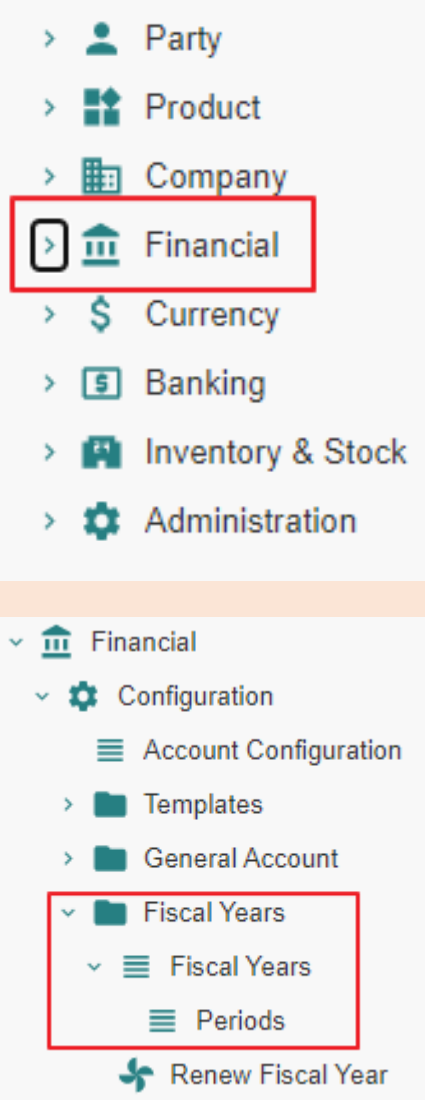
Update Chart of Accounts from Template

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



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

1 / 2

Name: FY2021

Company: COM01

Starting Date: 2021-01-01

Ending Date: 2021-12-31

Periods

Taxes

Sequences

Account Stock

Periods

0 / 0

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

CREATE PERIODS

State: Open

Fiscal Years

1 / 1

Name: FY2021

Company: COM01

Starting Date: 2021-01-01

Ending Date: 2021-12-31

Periods

Taxes

Sequences

Account Stock

Periods

0 / 4

<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

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FILTERS

Search

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<input type="checkbox"/> Name	State
<input checked="" type="checkbox"/> FY2021	Open

Periods

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FILTERS

Search

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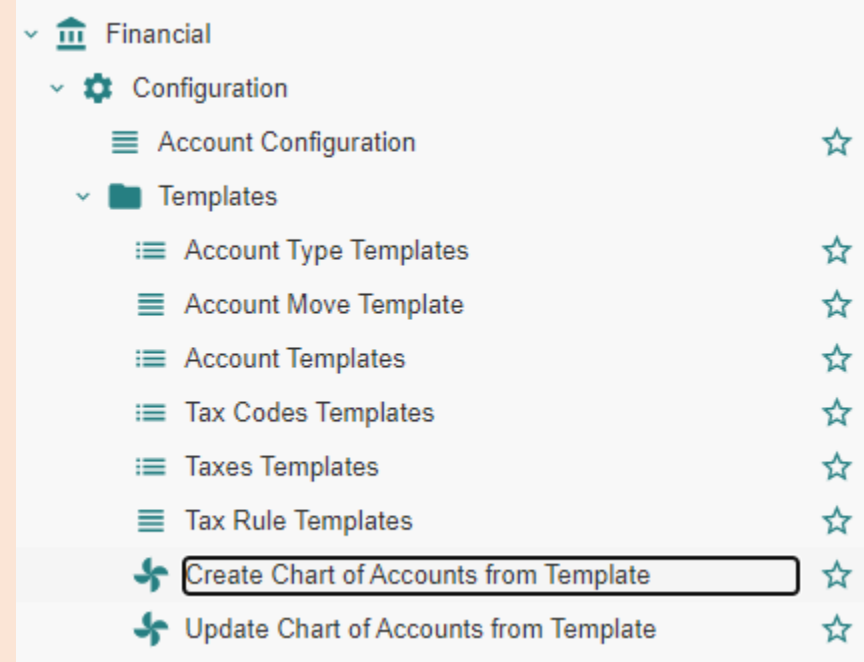
☆

🔖

<

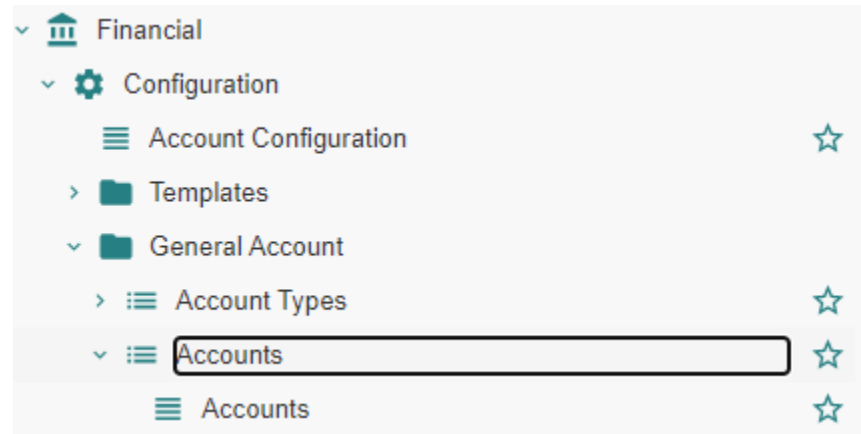
>

<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



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


Account configuration


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

Account Configuration


Party


Default Account Receivable:

 4111 - Clients - Ventes de biens ou de prestations de services




Default Account Payable:


 4011 - Fournisseurs - Achats de biens et prestations de services




Product


Default Account Revenue:

 7011 - Produits finis (ou groupe) A



Default Account Expense:

 6011 - Matières (ou groupe) A




Credit Limit


Default Credit Limit Amount:

Invoice

Default Customer Tax Rule:




Default Supplier Tax Rule:




Tax Rounding:

Per Document




Dunning

Default Dunning Procedure:





Fall-back User:



Stock


Stock Journal:


 Stock



Payment


Group Sequence


 Default Account Payment Group



Landed Cost

Sequence

 Landed Cost




Chorus

Chorus Login:


Chorus Password:

SHOW

Chorus Service:





Chorus Syntax:



Asset


Sequence

 Asset



Depreciation Frequency


Monthly



Asset Move


Day of the Month:

Last



Month:

December




Cash Rounding

Cash Rounding:

☐

Cash Rounding Debit Account:



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

Code: EXP

Type: Expense

▼

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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4 / 5

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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

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: 🔍

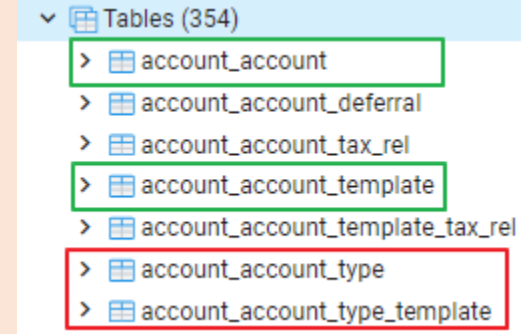
Payment Terms

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 management interface showing a list of tables. The list is titled 'Tables (354)' and contains several entries, each preceded by a right-pointing arrow and a small table icon. The entries are: 'account_account', 'account_account_deferral', 'account_account_tax_rel', 'account_account_template', 'account_account_template_tax_rel', 'account_account_type', and 'account_account_type_template'. The first four entries are enclosed in green rectangular boxes, and the last two are enclosed in red rectangular boxes.

>	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 sidebar menu on the left with the following items: Party, Product, Company, Financial, Configuration, Account Configuration, Templates, General Account, Account Types (highlighted with a red box), Account Types, Accounts, Fiscal Years, Journals, Taxes, Payment Terms, Analytic Account, and Pavments. The main content area is titled 'Account Types' and contains a 'FILTERS' section with a search bar. Below the search bar, there are several checkboxes and expandable sections: 'Name', 'Plan de types de compte (France)' (checked), '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'.

The screenshot shows the 'Account Types' configuration page with the following fields: 'Name: Plan de types de compte (France)', 'Company: COM01' (highlighted with a red box), 'Statement:', 'Parent:', 'Stock: ☐', and 'Parent:'. The 'Company' field is highlighted with a red box, indicating it is the focus of the discussion.

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)

Financial

Configuration

Account Configuration

Templates

Account Type Templates

Account Move Template

Account Templates

account_account_template

Columns

Constraints (6)

account_account_template_debit_type_fkey

account_account_template_id_positive

account_account_template_parent_fkey

account_account_template_pkey

account_account_template_replaced_by_fkey

account_account_template_type_fkey

Account Templates

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>

FILTERS Search

<input type="checkbox"/> Record Name	Type
<input checked="" type="checkbox"/> > 0 - Plan Comtable para PYMES 2008	Plan Comtable Español para PYMES 2008
<input type="checkbox"/> > 0 - Plan General Comtable 2008	Plan General Comtable Español 2008
<input type="checkbox"/> > Kontenplan SKR03 (Germany)	Kontentypenplan SKR03 (Germany)
<input type="checkbox"/> > Minimal Account Chart	Minimal Account Type Chart
<input type="checkbox"/> v Plan comptable (French)	Plan de types de compte (France)
<input type="checkbox"/> v 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 Search

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 ▾

↔ < 4,3,1,0... > + - ↺ 📎 🗨

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

☆
☆
☆
☆
☆
☆
☆

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><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>id</div><div>[PK] integer</div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>closed</div><div>boolean</div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>code</div><div>character varying</div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>company</div><div>integer</div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>template</div><div>integer</div></div></div><div><div><div><div></div><div></div></div><div><div></div></div></div><div><div>time 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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		202
2	338	true	1013		202
3	76	true	101		202

Query Editor

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

Data Output

UPDATE 251

Query returned successfully in 103 msec.

Query Editor

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

Data Output

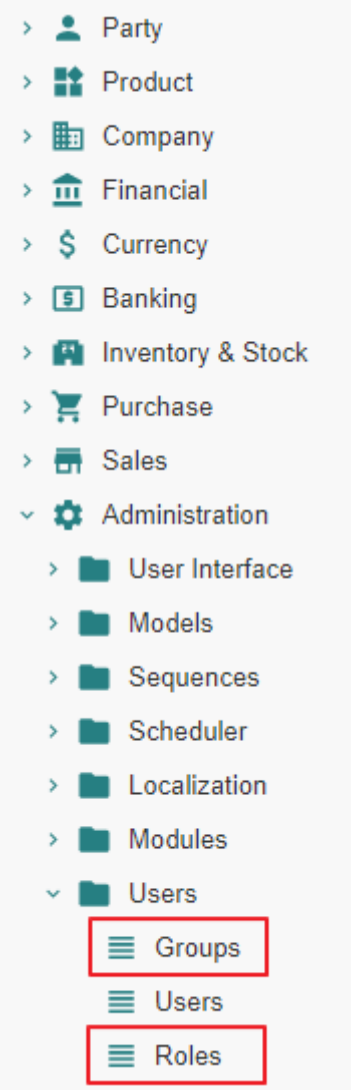
UPDATE 251

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

The image displays three screenshots of the Tryton web application interface, illustrating how user capabilities are determined by the logged-in user. Each screenshot shows a teal header bar with the 'Tryton' logo, a search bar labeled 'Action', and a user profile box on the right. Below the header is a sidebar menu with various business categories.

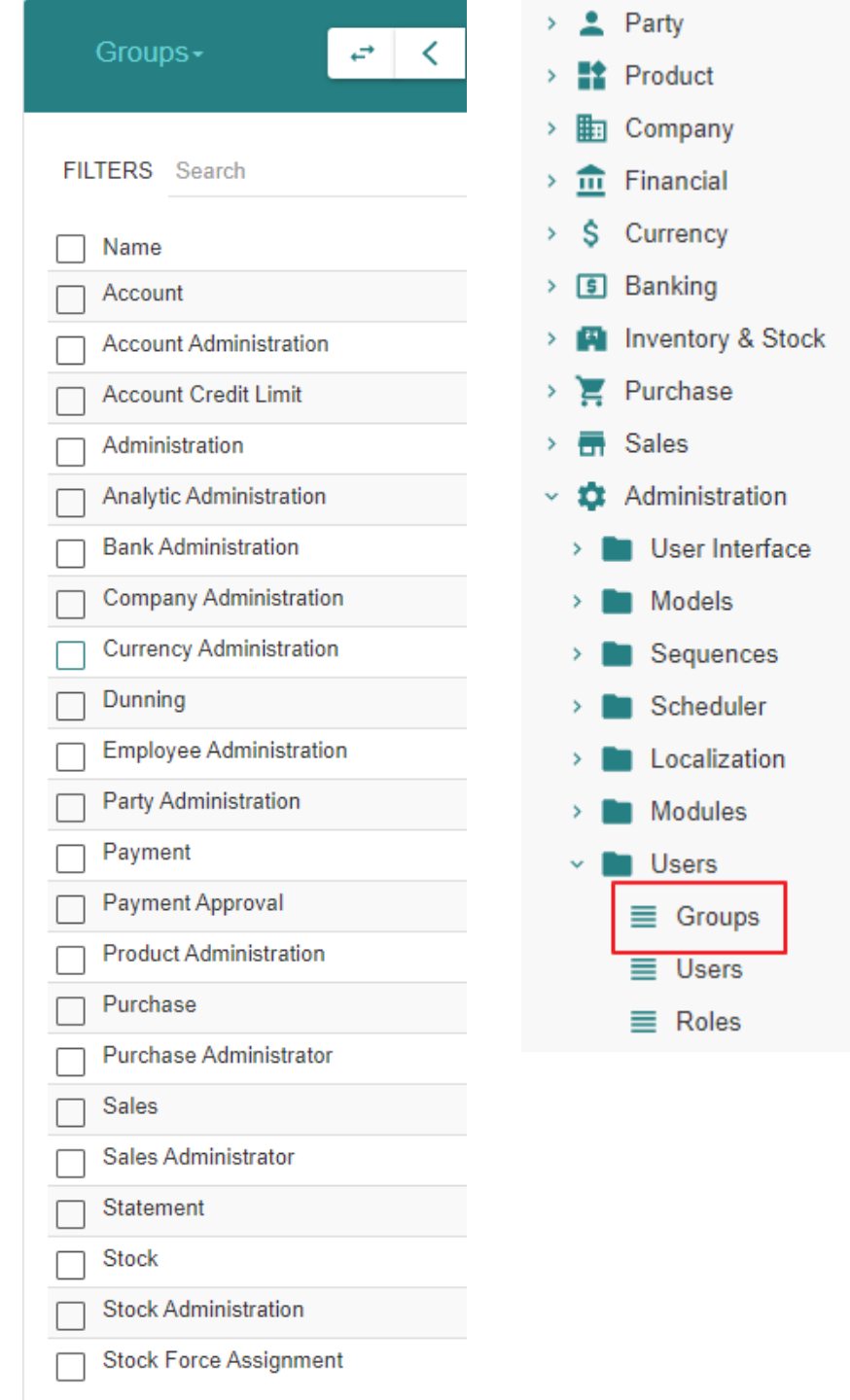
- Top Screenshot:** The user is 'Administrator [EUR]'. The sidebar menu is fully expanded, showing: Party, Product, Company, Financial, Currency, Banking, Inventory & Stock, Purchase, Sales, and Administration.
- Middle Screenshot:** The user is 'Paula'. The sidebar menu is partially expanded, showing: Party, Product, and Banking.
- Bottom Screenshot:** The user is 'Marc [EUR]'. The sidebar menu is partially expanded, showing: Party, Product, and Banking.

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 ▾

↔ < 8 / 22 > + ↵ ↻ 📎 💬 🌀 🔗 🖨️ ✉️

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
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Groups

+

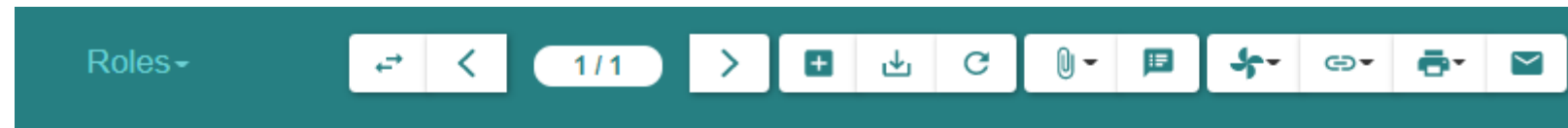
-

<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

- > Party
- > Product
- > Company
- > Financial
- > Currency
- > Banking
- > Inventory & Stock
- > Purchase
- > Sales
- > Administration
 - > User Interface
 - > Models
 - > Sequences
 - > Scheduler
 - > Localization
 - > Modules
 - > Users
 - Groups
 - Users
 - Roles

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.

Users

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✉

Name: Paula

Active: ☒

User

Actions

Access Permissions

Applications

Preferences

Login: paula

Email: p@g.c

Password:

SHOW

RESET PASSWORD

Main Company: COM01

Current Company: COM01

Current Employee:

Current Warehouse:

Employees

+

-

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

1 / 1

FILTERS Search

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

« User Paula »