

Platform demo

2016



Platform architecture

Profile type

Demo business case

- Use case
- Business data
- Business workflows and rules

Business users perspective

- Public home page
- Administrator home page
- Suppliers & products management
- Product details
- Search & find orders
- Customer management
- Order management
- Order entry screen flow
- Order entry custom page
- Order create/update/delete on list
- · Order deliveries calendar view
- Tree view
- Global search
- Social networking

- Flexible reporting
- User administration
- Multi languages
- Example of a specific public website

Designer users perspective

- Business object configuration review (object level)*
- Business object configuration review (field level)
- · Adding a new calculated field on orders
- Adding a new transition in the order state workflow
- Changing a pivot table
- Changing rights
- Managing configuration as full modules
- Exporting configuration changes (undo/redo)
- Automatic design documentation
- · Custom data exports

Manual bulk mode integration

- Standard data exports
- Custom data exports

Machine to machine integration

- Web services APIs
- Helper libraries
- Beyond configuration, advanced business logic
- Beyond configuration : advanced UI requirements

Beyond configuration : advanced reporting

Operation users perspective

- Logs events and logs management
- Data exchanges supervision
- Scheduled tasks supervision
- Operation dashboard
- Technical charts (memory, disk usage, ...)

Business analysts users perspective

- Requirement capture & project management
- User feedbacks, ticketing and UAT support

Glossary

Platform architecture



Business Applications



Generic and specific Uls (web, mobile)



Web services, import/export

Engine Simplicité





Business models Workflows Profiles Roles Business rules Reporting



Infrastructure

On Premise

your existing IT infrastructures



























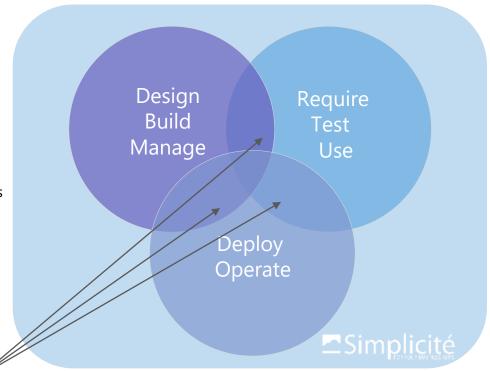


Profile types



Designer (IT profile)

- Define business objects, business workflows & business rules.
- Define user profiles & rights
- Define reports & statistics
- Build comprehensive solution (including custom components, integration to other systems, ...)
- Analyze changes impacts
- Manage project



Mixed profiles can also be defined



End user (Business profile)

- Define their business requirements
- Test the solution
- Manages business data
- Participate to business workflows
- Apply business rules & rights
- Monitor business activities

...



Operator (IT profile)

- Manage versions and deployments
- Monitor technical & business indicators
- Supervise background data processing, data exchanges, users sessions

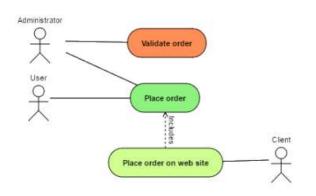
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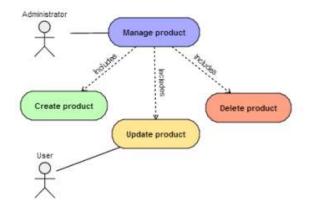




Demo business case

Basic order management application, 3 points of view





An administrator (backend profile):

- Manages product catalog
- Manages customers
- Manages contacts with customers
- Places & validates orders on backend UI

A standard user (backend profile):

- Places orders on backend UI (only on its suppliers)
- Manages contacts with customers
- Can update comments on products of its suppliers

A customer (frontend profile):

Places orders on frontend UIs: public website & mobile app





Demo business case

Business data

Supplier

- Is identified by a code
- Has one responsible user

Product

- Has a unique supplier
- Is identified by a reference

Customer

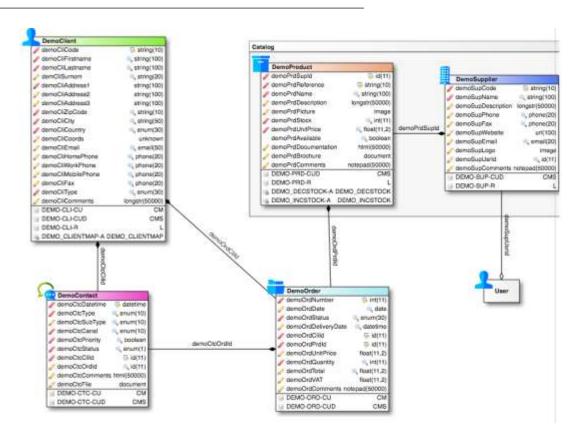
- Is identified by a code

Contact

- Is for one customer and may be linked to an order of this customer

Order

- Is for one customer and for one product with a quantity that must be > 0







Demo business case

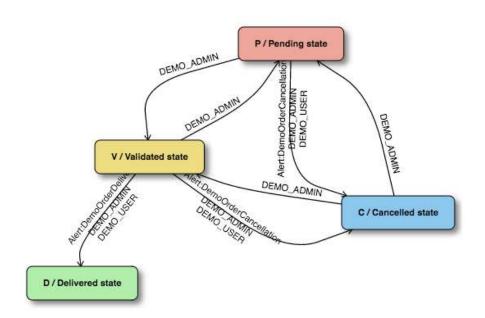
Business workflows and rules

Order state workflow

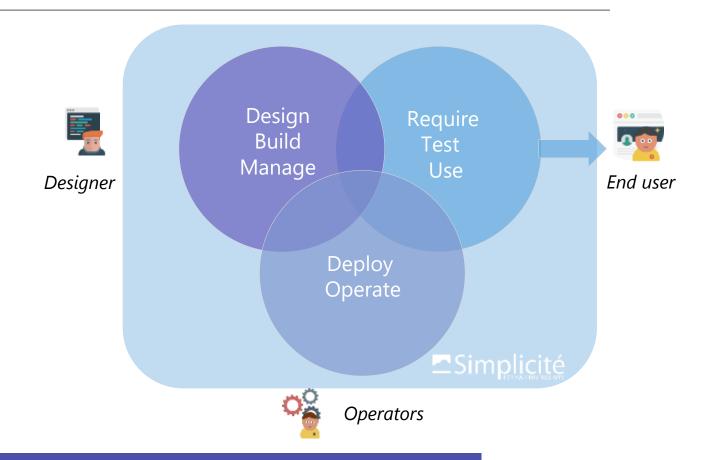
- Created as pending (by a back office user or by a customer)
- A pending order can be validated (only by an administrator) or canceled
- A validated order can be marked as delivered or canceled

Order business rules

- When order is validated: customer, product and quantity cannot be modified anymore
- When order is marked delivered current product stock is decreased by order quantity
- Email notifications are sent to customer on delivery and cancelations









Design | Build | Manage

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- Tree view
- Global search
- Social networking
- Flexible reporting
- User administration
- Multi languages
- Example of a specific public website





Login

area

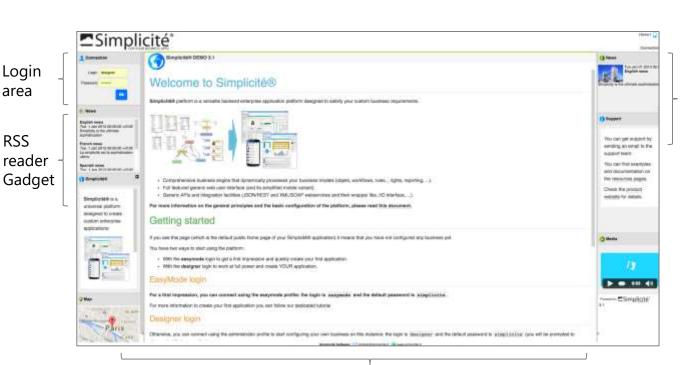
RSS

Public home page



Here is the public Homepage. It's the start for every users on Simplicité.

As your not login everything on this page accessible.



news gadget

Internal

Administrable contents



🗗 End user

(a) I Sharmed procks I have proclaim? I have others? have notes: I Share also I Assout I:

Administrator home page



Global statistics on orders and turnover



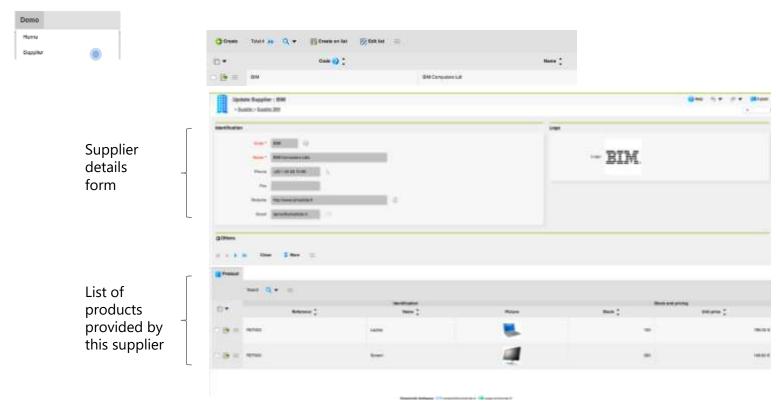
Last social posts







Suppliers & products management (administrator)



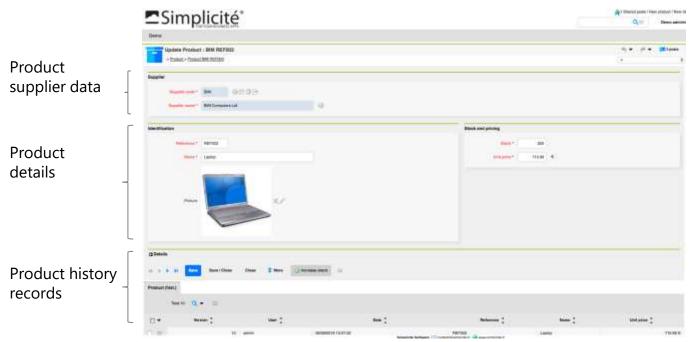


End user

Product details (administrator)









Search & find orders

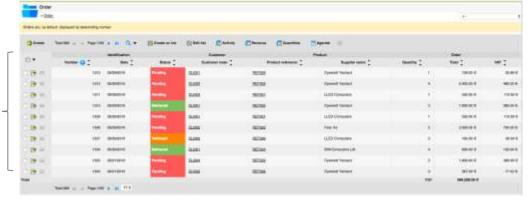




Orders search page



List of all matching orders



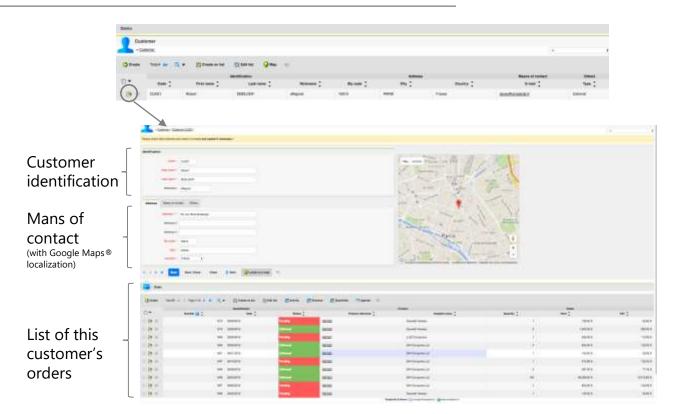




Customer management







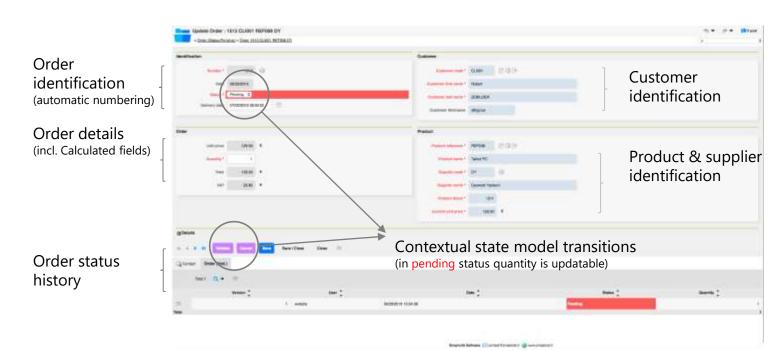


Order management







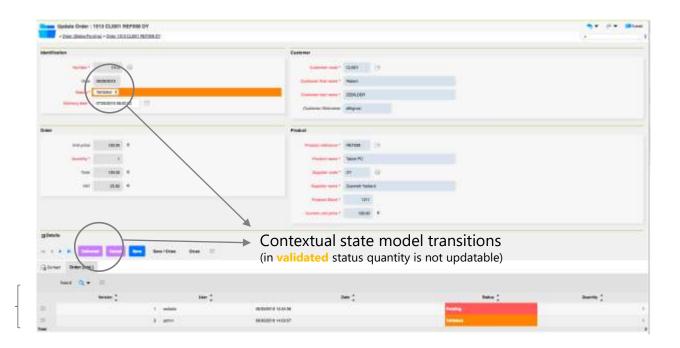




Order management (regular user) – 2/3







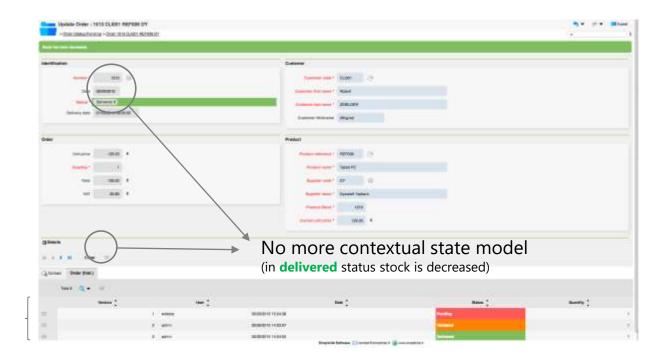
Status change is recorded



Order management







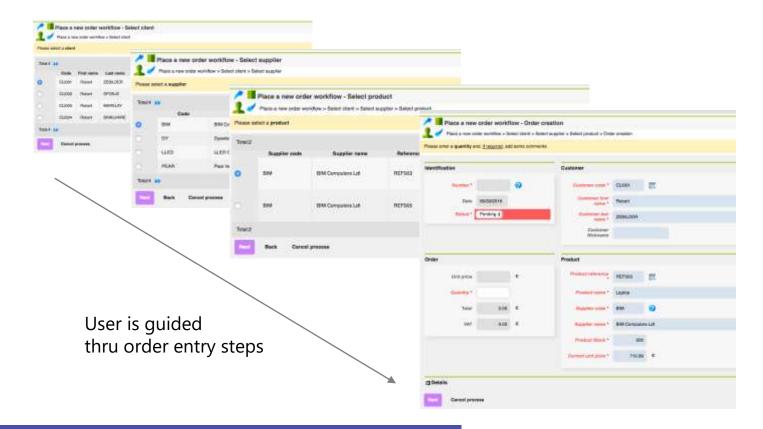
Status change is recorded



Order entry screen flow









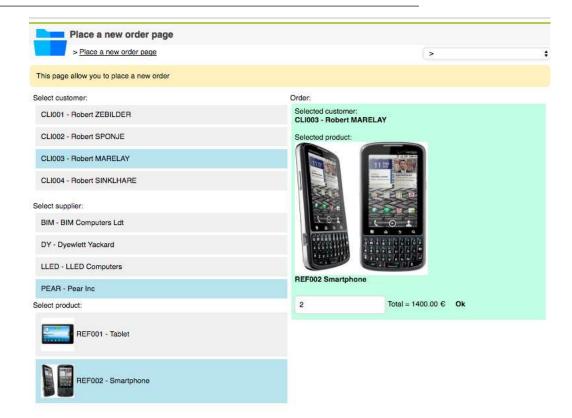
Order entry custom page





Here is an example of a simple **internal** page for easier order entry

(Based on the JQuery JavaScript framework and standard Simplicité® AJAX/API)





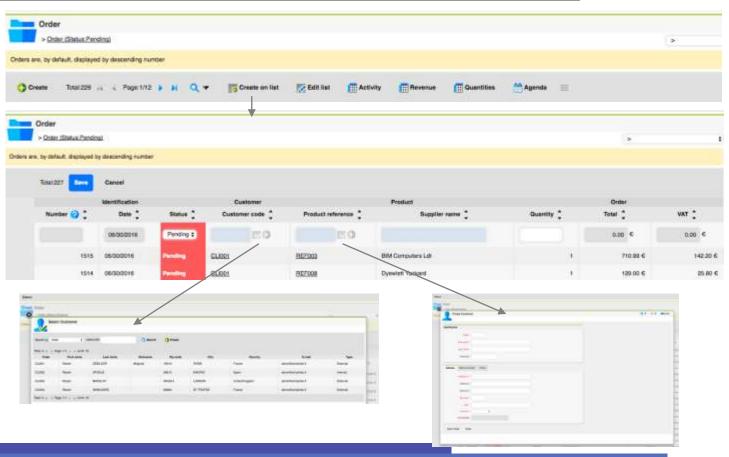
End user

Order create / update / delete lists



Create on list

allow creation of an order directly into the list, you can either write directly into inputs or choose on existing field.





End user

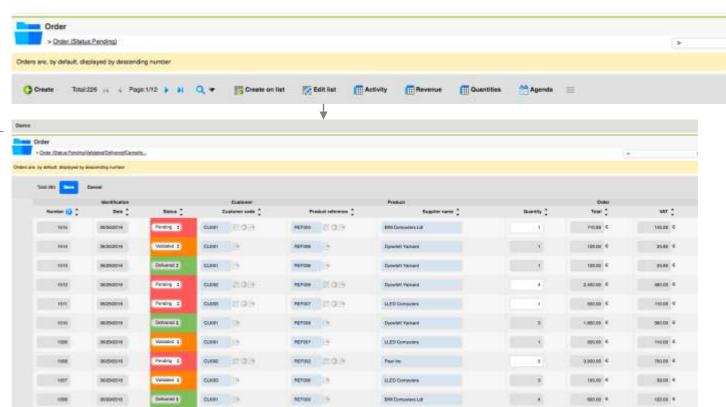






allow to edit your orders into the list

List update depends on each order status



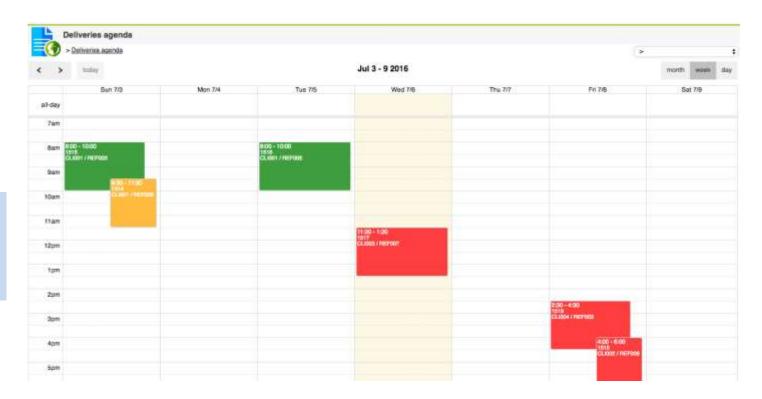


Order deliveries calendar view





Order are displayed on a calendar using their delivery date.



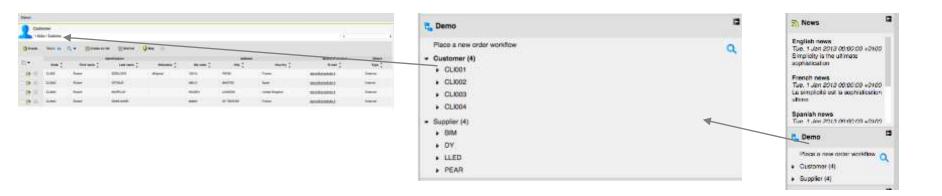




Tree view



Navigation is possible using tree view (here by customer or by supplier)

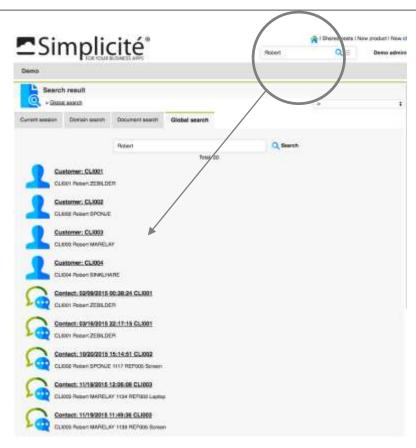




Global search



Composite search result of all indexed data matching search keywords



"Robert" returns all customers and corresponding orders



Social networking





All comments from followed users (with link to record if the comment is about a record)

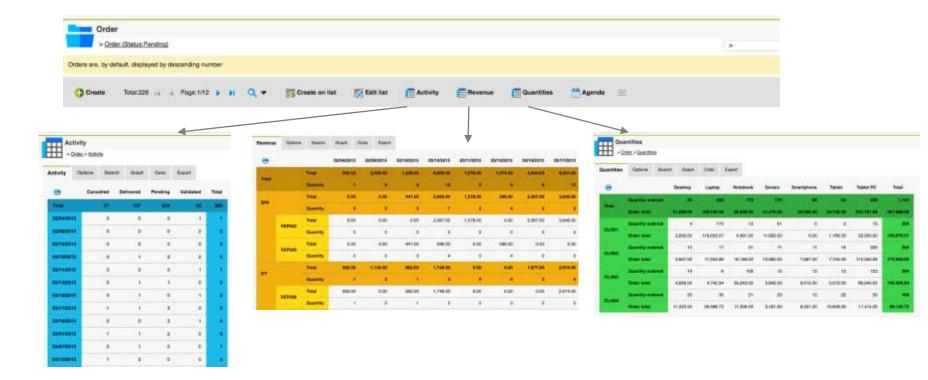
Comments on current record





Flexible reporting



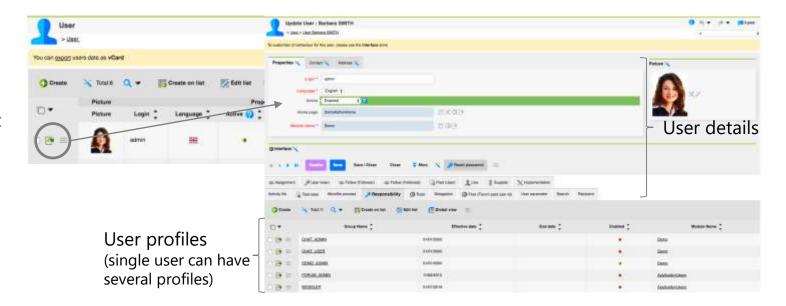






User administration (user with user administration rights)

User list

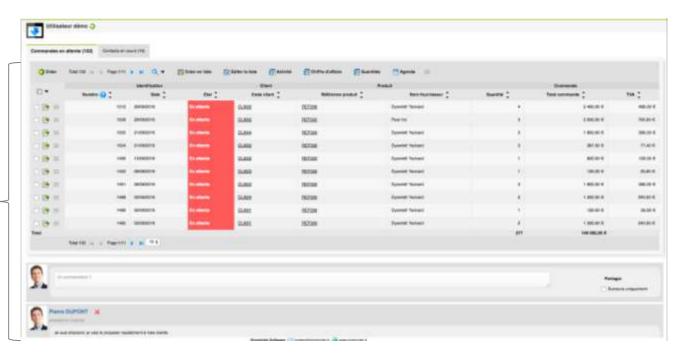






Multi languages (regular user using French)

All application labels are displayed in french (NB: as regular user product data is Readonly)





Example of a specific public website



🔼 I Shared posts I New product I New client I New order I Web site I About I 🗌

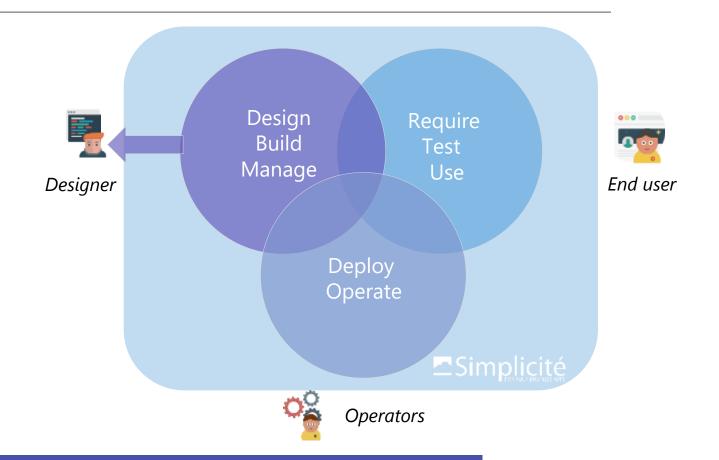




Example of a simple public web site for order entry by customers themselves

(this demo web site is developed using the jQuery and Bootstrap frameworks and standard Simplicité® AJAX API)







Require | Test | Use

Designer users perspective

- Business object configuration review (object level)
- Business object configuration review (field level)
- Adding a new calculated field on orders
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- Changing a pivot table
- Changing rights
- Managing configuration as full modules
- Exporting configuration changes (undo/redo)
- Automatic design documentation

Manual bulk mode integration

- Standard data exports
- Custom data exports

Machine to machine integration

- Web services APIs
- Helper libraries
- Beyond configuration, advanced business logic
- Beyond configuration : advanced UI requirements
- Beyond configuration : advanced reporting



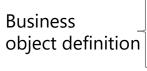




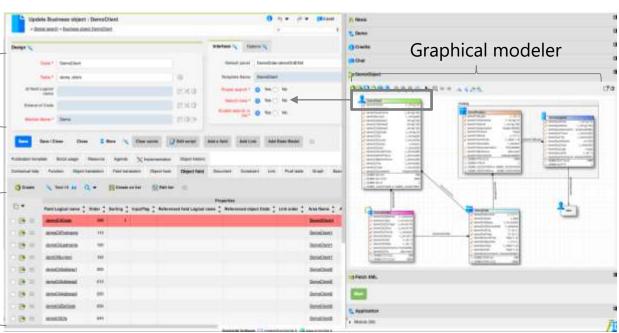
Business object configuration review (object level)

How did i configure the order business object ?





Business object fields





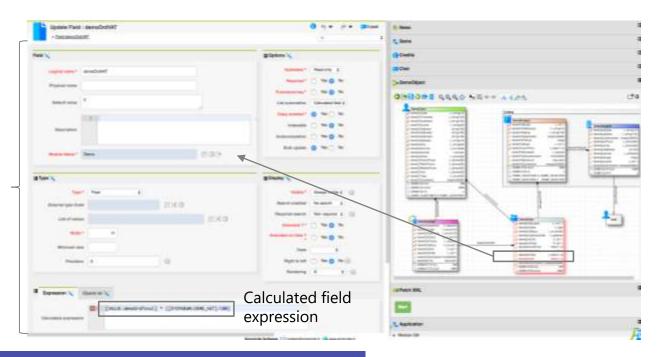


Business object configuration review (field level)

How did i configure the VAT calculation?



Field definition









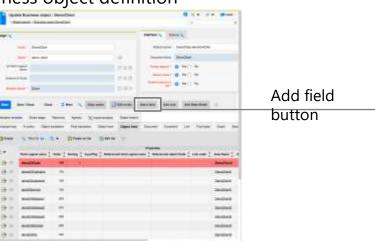


Order total price is VAT included, fine. But total price without VAT should also be displayed!

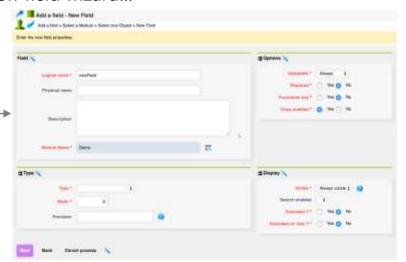
Ok, let's add it!



Business object definition



Add new field wizard...







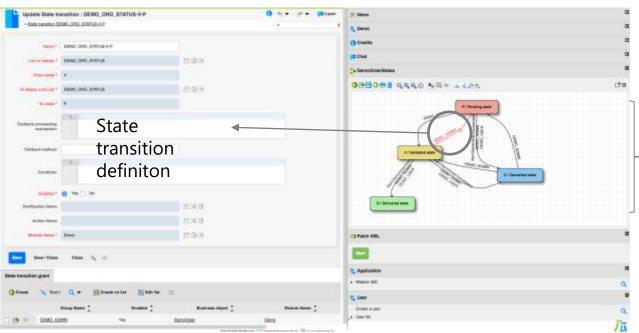
Adding a new transition in the order state workflow



In some cases it must be possible to cancel cancellations

Ok, let's add a new transition for administrator profiles!





State model



Changing a pivot table



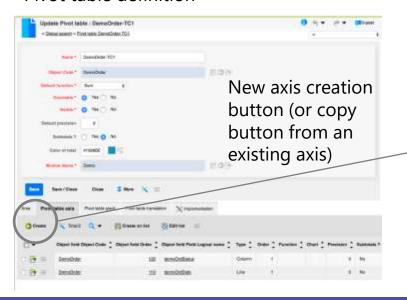


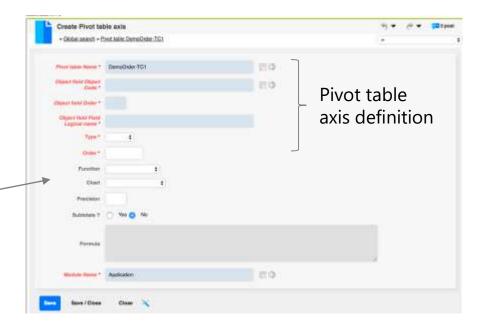
Statistics on number of orders per date is great, but I would like it to be split per supplier!

Ok, let's add a new pivot table axis!



Pivot table definition









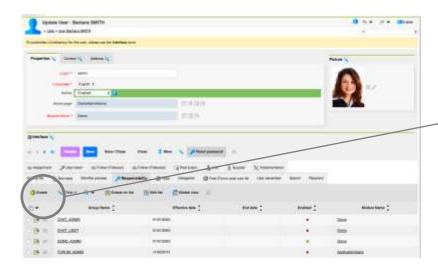


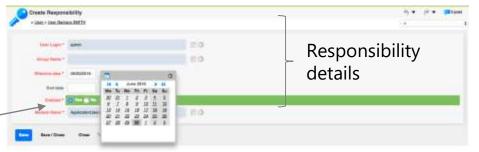


I would like to administer UI contents and internal news!

Ok, let's add the appropriate rights to your profile!







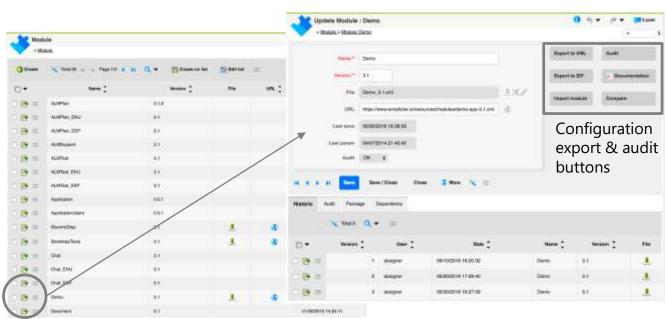




Managing configuration as full modules



Module form



I would like to push all my configuration on the new trainee's blank development instance







Exporting configuration changes (undo/redo)



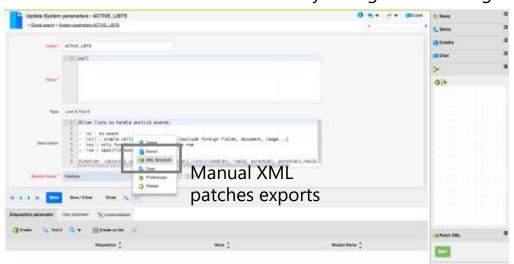


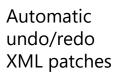


Time to deliver my configuration changes to production... (after validation by the UAT team of course)







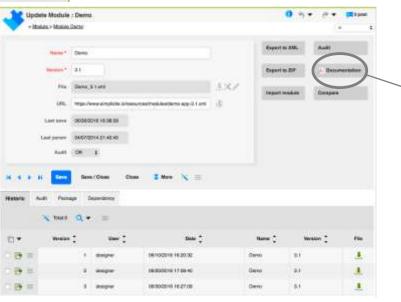




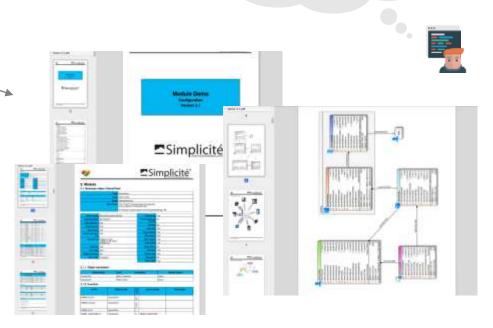


Automatic design documentation





Oups, I forgot to export the up to date design documentation





Manual bulk mode integration

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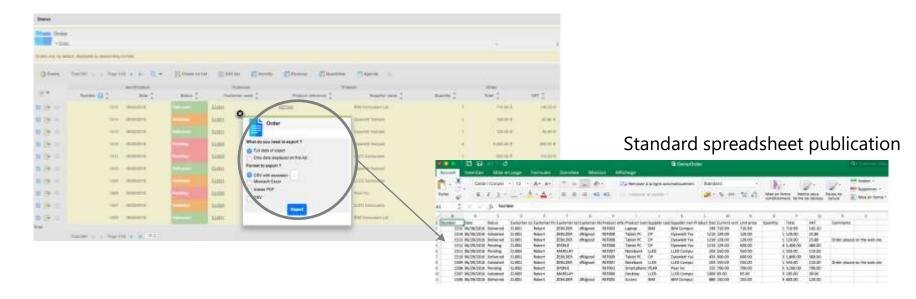




It would be great if I could send all delivered orders as a flat file to the accounting department!

You can use the standard exports!







Manual bulk mode integration

Custom data exports





Standard exports format does not match accounting department expectations!

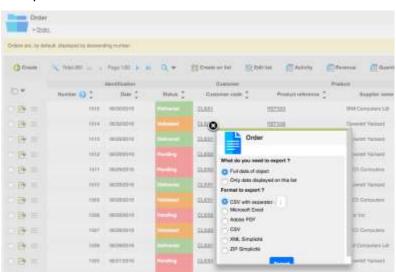
Ok, let's configure custom publications to their needs!



Print/publish buttons (on whole list or on individual record)

Human readable format (PDF, HTML, Office, ...)





Technical format (text, XML, HTML,...)

This RSW, the draw not appear to have any style information missioned with it. The document tree is shown below. A calculation to an income of the contract of to the comment of the last last last the particular beauty and to PRINCIPAL OF COMP risks, programmer bedd some hetper/reso, siegilielis-Lidensoneren hodelen/kon-agg/Lidens real Service State and all States of Services WHAT COMMENTS TO ASSESS TO A SECURITY OF THE PARTY OF THE CALLSON SPACE AND LINE embelser. TWO CONTRACTORS HAVE STREET, THE CONTRACTORS NAMED withous light the cinco reducti retor models at all complements as making at all report research Sylvaniques (Treasure but registration produces by our passengers produced from requirement in prosperioters regularizate transrelicental so lie POREN RECORD Trees, make by out and a pass (Securities and the life and reason represent a reason of the security and the security of the s Experied by designate bulance, see tage, more open, to a position, telescope, and the comment



Machine to machine integration





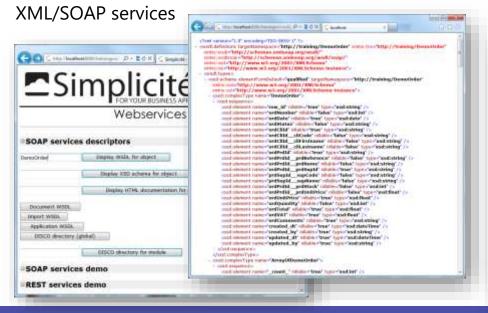


Web services APIs

It would be great if order status could be displayed on the public web site from the order number!

Ask the webmaster to call our web services APIs!





JSON/REST services (in general for UI usage)





Machine to machine integration



Helper libraries

I have talked with the webmaster, he seems to be using some specific presentation technology and does feel comfortable calling web services... And we also discussed about a

mobile app for order tracking...



Tell him to use the standard helper libraries!

We have libs for:













Beyond configuration, advanced business logic





The procurement system should be notified when a product stock is below 10% of the sum of all orders quantity on last 3 months!

Ok, no problem!



This time I need to write few lines of custom code (legacy Java class and/or online Java scripting)...





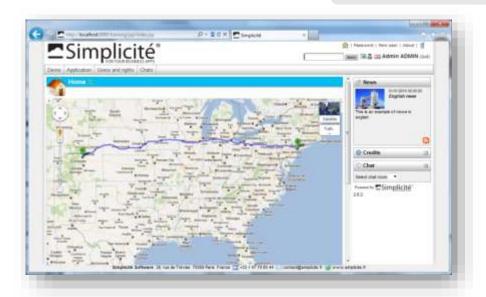
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Beyond configuration: advanced UI requirements



It would be great to have a UI displaying all customers on a map with directions calculations from our warehouse when clicking on a customer.

Ok, no problem!



This time I need to write some custom HTML & JavaScript code using Google Maps® API and integrate it in the generic web UI







Beyond configuration: advanced UI requirements



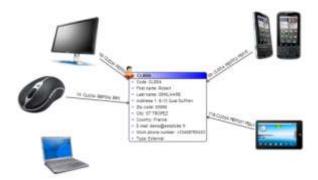
Is it possible to have a graphical models of my business data?

Yes of course! It the modeler can be used for any kind of data! I just need to add a dedicated model template





E.g. Suppliers / products map



E.g. Customers / orders map





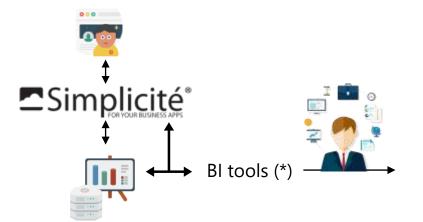
Beyond configuration : advanced reporting



Operational reporting provided is great but my boss asked me to do some advanced business analysis to estimate next year's sales, what can I do?

This is an advanced analytics reporting requirement. You should consider using a full featured BI tool to address it externally. The various ways Simplicité® stores and exposes business data are BI tools - friendly



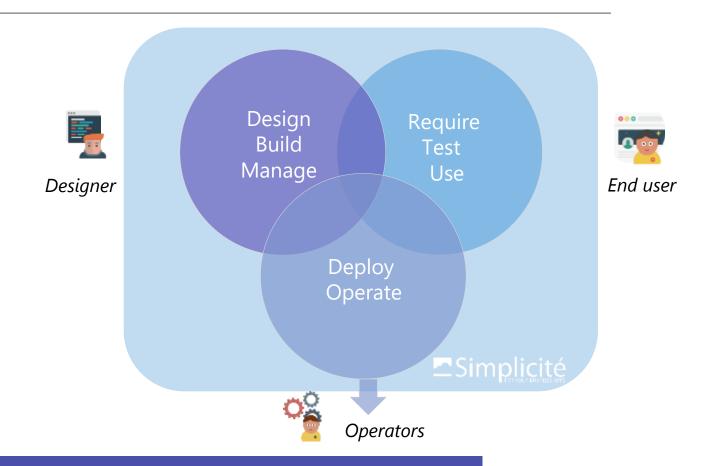






(*) e.g. Excel® sheet using an authenticated data source, pivot tables and charts





Deploy | Operate

Operation users perspective

- Logs events and logs management
- Data exchanges supervision
- Scheduled tasks supervision
- Operation dashboard
- Technical charts (memory, disk usage, ...)

Business analysts users perspective

- Requirement capture & project management
- User feedbacks, ticketing and UAT support





Logs events and logs management



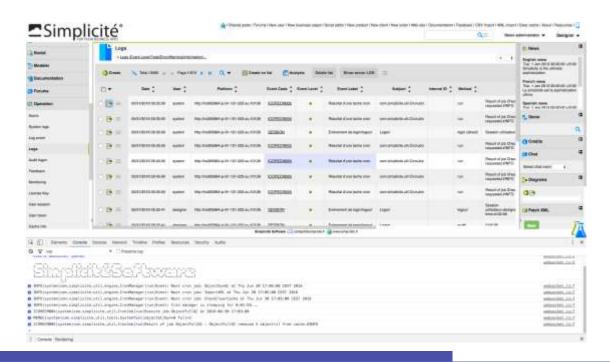


The customers says they don't receive email notification?

Ok, let's check the logs!



In database configurable business logs





Server technical logs available in browser console



Data exchanges supervision



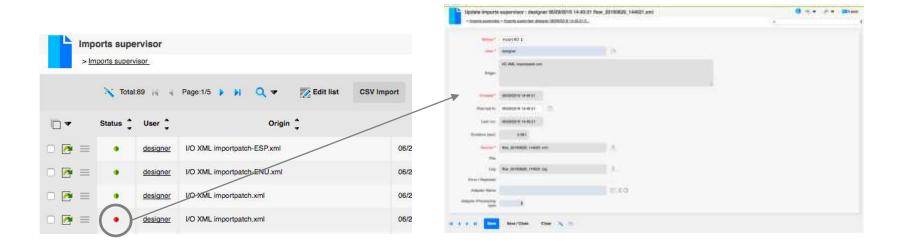


The reference data does not seem up to date today!

Ok, let's check the import supervision records!

Mmm... One is red, I should review the detailed import log







Scheduled tasks supervision

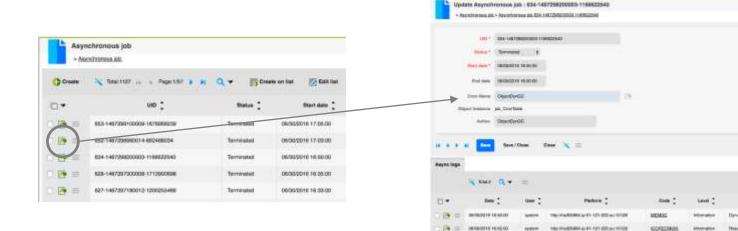




Old data that is supposed to be purged is still there today!

Ok, let's check the scheduled jobs results!



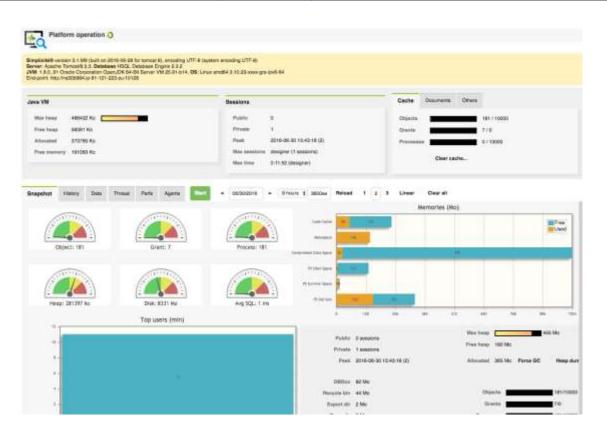


Job-related business logs



Operators

Technical charts (memory, disk usage, ...)



New app... let's check some technical charts...





Application Lifecycle Management (ALM)

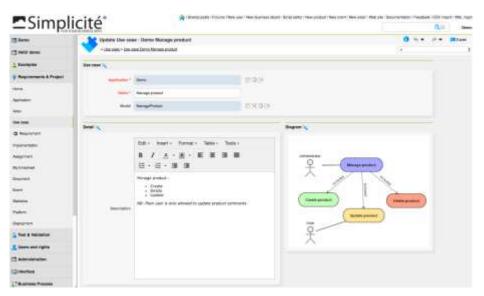
Requirement capture & project management

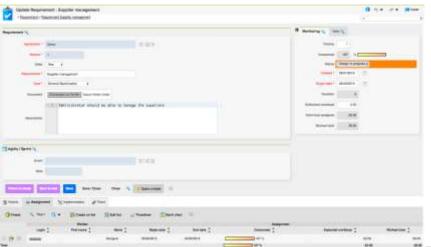


I would like my business requirement to be linked to the actual implementation.

The ALM "plan" features give you the opportunity to describe your requirement in details and I will link it to the way I configured it And I also manage my team and the delivery project using these features







Application Lifecycle Management (ALM)

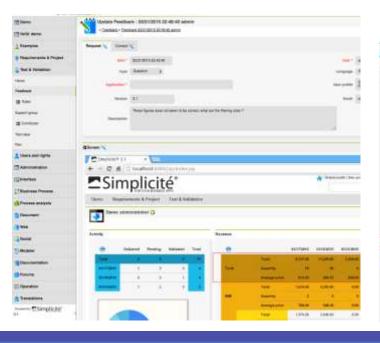
User feedbacks, ticketing and UAT support

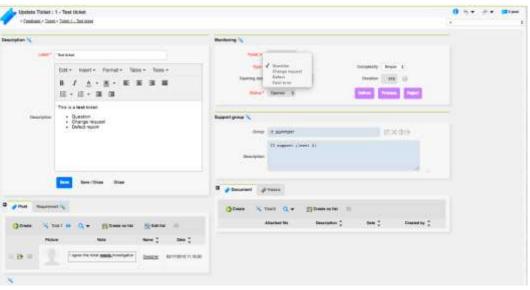


What if my requirement changes?

The ALM "test" features allow your end users to send feedbacks (that can be turned into change request tickets, test cases allowing UAT management).









Glossary

A **Module** is a packaging unit. All configuration items belongs to a module. There are several packaging strategies that you can apply (one module per business application, or per business scope, etc.). It is however important to think of modules dependencies in order that your configuration can be exported/imported consistently. A module does not correspond to any visible generic UI concept, it is a pure packaging concept.

A **Domain** is a generic UI concept that corresponds to one main menu entry, you can have business object, business workflows, external objects entries in a domain

A **Business object** is the core configuration item that corresponds to a business concept (a customer, a product, a company, an order, an invoice, etc.)

A business object aggregates **Business fields**. The relationship between business object and business field is a many to many relationship because a business field can be used by several business objects, for instance the customer name business field can be physically associated to the customer object while being logically associated to order and invoices). A business field has a type and default behavior (mandatory, visible, etc.) that are enforced by the platform.

Some business field may be foreign keys pointing to other business objects, for such **Link** business fields you can configure additional behavior (e.g. cardinality, cascade copy/delete, etc.)

For one business object, one list of value field can be associated to a **State model**, in this case the business object has a state-driven workflow behavior (state model tansitions are granted to users using the group concept, see bellow) Business object's fields can be grouped in **Field** areas. A business object can have several field areas which generic UI layout is defined by a form **Template** (which is a HTML fragment) Additional **Actions** can be associated to a business object to offer additional processing (displayed as a custom button in the generic UI and available as the business object's web service) Dynamic business logic can be associated to a business object

By using **Constraints** that can be used to change business object's and/or business fields behavior depending on a given condition (a constrant can be restricted to some groups)

By implementing **Hooks" in the business object's optional** server script** (hooks are points of extension), actions are generally implemented in this server script



Glossary

A **Business workflow** corresponds to a chain of **Activities** (that can be conditional and sequential but also parallel using split/joined strategies)

An activity is granted to groups (see bellow) and can be of different standard types using business objects (search, selection, form, ...) but also specific

An **External object** is a specific component: It can be a specific web page, either a generic UI specific page or a full custom page It can be a specific web service It can also be any other specific component (e.g. a PDF publication)

A **Disposition** is a generic UI concept that allow to override **Resources** (images, CSS styles) to customize the generic UI rendering **Resources** can also be associated to business objects and to external objects A **View** is a generic UI concept that allows to aggregates different UI components on a single web page (that can be the global or a domain's home page or a custom business object's panel)

A **Shortcut** is a generic UI concept that allows to offer a shortcut link on the top right of the main page (a shortcut can point to a business object page or to a custom URL)

A **Pivot table** can be use to do axis-based reports on selected business object's records

A **Publication template** allows to publish a business object (and its linked business objects) using a custom publication template document (a publication template can also be a custom method in teh server script)

A **Group** is a right unit that groups unit access

rights called **Grant**

A **User** is associated to several groups using, each association is called **Responsibility**

A **System parameter** defines a global feature of the platform, a system parameter can be overridden by disposition and/or by user All configuration items (domains, business objects, business fields, etc.) are associated to **Translations** to hold the various labels (and help texts) of these configuration items in configured languages.



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54 rue René Boulanger 75010 Paris FRANCE