CONTENTS
ProjeQtOr is an open source project management software that combines in one tool all the functionalities needed to organize your projects. It is simple, easy to use and covers a maximum of project management features.

Its particularity, in addition to its completeness, is to be oriented towards quality.

This means you can record all the events of your projects and thus simplify compliance with leading standards in quality management, be they ISO, CMMI, ITIL or other.

Find in this manual, every 3 months, the latest features integrated into ProjeQtOr.

We offer you a small overview of the major developments and you will find the full list of developments covered in the update here.

**Ergonomics improvement**

- Option to improve the Gantt chart view
- Assignments & Allocation with right click on the Gantt
- Find any plannable item in Gantt view
- Move Sections Graphical in Today view

*Gantt chart | Today*

**Store a List to define a Report**

- Any list can be stored as a new report
- The layout and filters are saved to produce the report exactly as the list displayed
- New List reports can be exported, saved on today, defined as favorite and programmed to be sent.

*Report from list*
Project Analysis

Recording Assumptions, Constraints, Lessons Learned

*Project analysis*
ProjeQtOr is a “Quality based Project Organizer”.
It is particularly well suited to IT projects, but can manage any type of project.
It offers all the features needed to different Project Management actors under a unique collaborative interface.
1.1 Start guide

- Startup page for new installations to assist the administrator in the first steps of implementing the application.

![Start Guide](image)

Fig. 1: Start guide

- Several steps are necessary to configure the bases and a progress display allows you to determine the percentage of progress in the installation.
- You can hide this section on startup by unchecking the “show this page on startup” checkbox.

![Progress](image)

Fig. 2: progress of installation

- To display it again, select it as the start page in the users settings screen or in the session menu
- The guide is available at the next login and can also be found in the main menu

1.2 Planning management

ProjeQtOr provides all the elements needed to build a planning from workload, constraints between tasks and resources availability.

### Multiple Access

Users can edit the same item (if they have the right) at the same time, without disturbing each other, as long as they don’t edit and save exactly the same field and at the exact same time.
Project

The project is the main element of ProjeQtOr. It is a planning element. See: Project
It is also the highest level of visibility and definition of access rights based on profiles.
You can define profiles, some have visibility on all projects, others only on the projects they are assigned to.
You can also define sub-projects of a project and sub-project of sub-projects without limit to this hierarchical organization.
This allows for example to define projects that are not real projects, but just a definition of the structure for your organization.
Projects and sub-projects appear on the Gantt Planning view.

Activity

An activity is a task that must be planned, or includes other activities. It is a planning element. See: Activity
This is usually a task that has a certain duration and should be assigned to one or more resources.
Activities appear on the Gantt Planning view.

Milestones

A milestone is an event or a key date of the project.
Milestones are commonly used to track delivery dates or force a start date of activity.
They can also be used to highlight the transition from one phase to the next one.
Unlike activities, milestones have no duration and no work.
But on ProjeQtOr, you can specify deadlines (positive or negative) to apply to your milestones
See: Milestones

Resources

Resources can be assigned to activities. See: Resource
This means that some work is defined on this activity for the resource.
Only the resources allocated to the project of the activity can be assigned to the activity.

Real work allocation

Resources enter their time spent on the Real work allocation screen in their timesheet.
This allows for a real-time monitoring of work.
Moreover, updating the left work allows to recalculate the planning taking into account the actual progress on each task.
Planning

The planning is based on all the constraints defined:

- left work on each activity
- availability of resources
- rate of resource allocation to projects.
  See: Allocations section and Allocation rate
- assignment rate of resources to activities.
  See: Assignment section and Assignments rate
- planning mode for each activity (as soon as possible, fixed duration, … ).
  See: Planning modes
- dependencies between activities.
  See: Dependencies
- priorities of activities and projects.
  See: Priority and Planning priority
- The planning is displayed as a Gantt chart.

Project Portfolio

The planning can also be viewed as a project portfolio, which is a Gantt planning view restricted to one line per project, plus optionally selected milestones.

Global Planning

The Global Planning allows you to display many more elements on the gantt chart in addition to the usual projects, activities, and milestones.

In this diagram view, you can view decisions, test sessions, deliveries, risks, tickets or opportunities …

All of which can be linked to an activity or any other element of the diagram.

Resource Planning

You can display the planning for each resource, but also by teams, by pool of resources or you can display all the resources whatever their assignments.

More details

- Planning elements
- Gantt chart
- Resource planning
1.3 Resource management

ProjeQtOr manages the availability of resources that can be allocated to multiple projects. Tool calculates a reliable, optimized and realistic planning.

Resources

A resource can be a person working on the activities of one or more projects. Or material assigned to a particular task.

A resource can also be a group of persons for which you do not want to manage individual detail. See: Teams and Pool of resources

You can manage this through the capacity of the resource, FTE, that can be greater than 1 (for a group of people for example) or less than 1 (for a person working part-time).

Allocations

The first step is to allocate each resource to the projects on which it has to work.

Specifying the allocation rate (% of maximum weekly time spent on this project)

Where again the periods during which it will be planned on these projects.

Assignments

Then you can assign resources to project activities.

You fill in the workload you assigned to the resource.

Only the resources allocated to the project of the activity can be assigned to the activity.

See: Assignments

Calendars

To manage working and non-working days, for resources with reduced working hours or with a different rhythm from the French calendar, for days off or public holidays, you have configurable calendars.

You can create multiple calendars to manage different types of availability.

- you can create a ‘80% ‘calendar with every Wednesday closing day, for example.
- you can manage separate vacations when working with international teams.
- A calendar is assigned to each resource.

more details

- Calendars
Real work allocation

Resources enter their time spent on the Timesheet screen. This allows for a real-time monitoring of work.
The planning recalculation takes into account the left work and makes it possible to take into account the actual progress on each task.

1.4 Tickets management

ProjeQtOr offers a Ticketing environment.

With its bug tracking to monitor incidents on your projects, you with the ability to include work on planned tasks of your projects.

Ticket

A Ticket is an intervention that does not need to be planned or that cannot be planned.

It is generally a short task, whose granularity, too small, cannot correspond to an activity and whose progress you want to follow to describe and provide a result.

For example, bug fixes or issues can be handled through tickets. You cannot plan bugs until they are identified and logged, and you must be able to provide a solution to a bug (workaround or workaround).

- Ticket management allows you to program delays according to the type of ticket
- As on an activity it is possible to estimate the workload.
- You can assign a coordinator and/or a manager.
- It is possible to attach external documents, to link other elements, to leave notes…

Simple tickets

Simple tickets are just simplified representations of Tickets for users that will “create” tickets but not “treat” them.

Elements created as simple tickets are also visible as Tickets, and vice versa.

1.5 Costs management

Costs can be tracked on projects. From resources, activities, assigned work, and other management expenses, all project costs are tracked, consolidated, and can generate invoices.
Projects

The Project is the main entity of ProjeQtOr.
In addition to tracking work on projects, ProjeQtOr can track the costs associated with this work.

Activities

An Activity is a task that must be planned, or includes other activities.
Work assigned to resources on activities is converted into associated costs.
See: Activity price

Resource cost

To calculate the cost of expenses ProjeQtOr defines the Resources cost.
This cost may vary depending on the role of the resource and may change over time.
See: Functions and cost

Project expenses

Projects expenses can also record expenses not related to resource costs (purchase, lease, sub-contracting).
See: Project expenses

Individual expenses

Individual expenses can record expenses generated by a given resource.
See: Individual expenses

Quote, Orders, Term, Bill

ProjeQtOr can manage various financial elements found on a project:
- Quotation (proposals),
- Orders (received from customers),
- Invoicing Terms,
- Bills.

more details
- Expenses
- Incomes
- Client invoices
- Financial Gallery

1.5. Costs management
1.6 Quality management

The specificity of ProjeQtOr is that it is Quality Oriented: it integrates the best practices that can help you meet the quality requirements on your projects.

This way, the approval stage of your Quality Systems are eased, whatever the reference (ISO, CMMI, …).

Workflows

Workflows are defined to monitor changes of possible status.

This allows, among other things, to restrict certain profiles from changing some status.

You can, for instance, limit the change to a validation status to a given profile, to ensure that only an authorized user will perform this validation.

See: Workflow

Delays for tickets

You can set delays for tickets or on ticket types. This will automatically calculate the expiry date of the Ticket when creating the Ticket.

The supported and closing time of the ticket can be defined and calculated for statistical purposes.

See: Delay for tickets

Indicators

Indicators can be calculated relative to respect of expected work, end date or cost values.

Some indicators are configured by default, and you can configure your own depending on your needs.

Non respect of indicators (or the approach of non-respect target) can generate Alerts.

See: Unit indicators

Checklists

It is possible to define custom Checklists that will allow, for instance, to ensure that a process is applied.

See: Checklist

Reports

Many Reports are available to track activity on projects, some displayed as graphs.

See: Reports
All is traced

All your manipulations, modifications, recordings are traced. Nothing is drawn at random.

You can follow, in a centralized and collaborative way, all the elements created: list of questions and answers, recording decisions affecting the project, managing the configuration of documents, follow-up meetings …

In addition, all updates are tracked on each item to retain (and display) a history of the item’s life.

1.7 Risks management

ProjeQtOr includes a comprehensive risks and opportunities management, including the action plan necessary to mitigate or treat them and monitoring occurring problems.

Risks

A Risk is a threat or event that could have a negative impact on the project, which can be neutralized, or at least minimize, by predefined actions.

The risk management plan is a key point of the project management. Its objective is to:

- identify hazards and measure their impact on the project and their probability of occurrence,
- identify avoidance measures (contingency) and mitigation in case of occurrence (mitigation),
- identify opportunities,
- monitor the actions of risks contingency and mitigation,
- identify risks that eventually do happen (so they become issues).

Opportunities

An Opportunity can be seen as a positive risk. This is not a threat but an opportunity to have a positive impact on the project.

They must be identified and followed-up not to be missed out.

Issues

Issue is a risk that happens during the project.

If the risk management plan has been properly managed, the issue should be an identified and qualified risk.
Actions

Actions shall be defined to avoid risks, not miss the opportunities and solve issues.

It is also appropriate to provide mitigation actions for identified risks that did not occur yet.

More details

- Risks
1.8 Perimeter management

ProjeQtOr allows you to monitor and record all events on your projects and helps you in managing of deviations, to control the perimeter of projects.

Meetings

Follow-up and organize Meetings, track associated action plans, decisions and easily find this information afterwards.

Periodic meetings

You can also create Periodic meetings, which are regularly recurring meetings (steering committees, weekly progress meetings, ... )

Decisions

Decisions follow-up allows you to easily retrieve the information about the origin of a decision:

• who has taken a particular decision?
• when?
• during which meeting?
• who was present at this meeting?

Not revolutionary, this feature can save you many hours of research in case of dispute.

Questions

Tracking Questions / Answers can also simplify your life on such exchanges, which often end up as a game of Ping-Pong with a poor Excel sheet in the role of the ball (when it is not a simple email exchange... ).

Product and Version

ProjeQtOr includes Product management and Product Versions.

Each version can be connected to one or more projects.

This allows you to link your activities to target version.

This also allows to know, in the case of Bug Tracking, the version on which a problem is identified and the version on which it is (or will be) fixed.

More details

• concept
• common-sections
• type-restriction-section
• Meetings
1.9 Documents management

ProjeQtOr offers integrated Document Management.
ProjeQtOr support only digital document.
A document will be stored in the tool as versions.
Document can be versioning and an approver process can be defined.

Directories structure management

• Allows to define a structure for document storage.
• Directories structure is defined in document directory screen.

Document management

• Document screen allows to manage documents.

Document access

• Global definition of directories is directly displayed in the document menu, to give direct access to documents depending on the defined structure.

More details

• Documents
• Repertory and Document
• Document directories
1.10 Commitments management

ProjeQtOr allows you to follow the requirements on your projects and measure at any time coverage progress, making it easy to reach your commitments.

In addition to the standard functionalities to manage your projects and monitor costs and delays, ProjeQtOr provides elements to monitor commitments on products.

By linking these three elements, you can obtain a requirements covering matrix, simply, efficiently and in real time.

Requirements

Requirements management helps in describing requirements explicitly and quantitatively monitor progress in building a product.

Test cases

The definition of Test cases is used to describe how you will test that a given requirement is met.

Test sessions

Test sessions group test cases to be executed for a particular purpose.

More details

- Requirements
- Requirements dashboard
1.11 Asset Management

ProjeQtor includes IT asset management. The park is made up of equipment and each of these equipment may contain other equipment and will have a type of equipment.

Licenses

The concept of license will be managed in the form of equipment, by defining license type equipment, which is linked to software type equipment.

This method makes it possible to define a stock of purchased licenses and to assign them progressively to the equipment on which they are installed.

Equipment

This feature allows you to manage equipment types, categories, brands and models of equipment.

But also the suppliers and the locations of this equipment.

More details

- Module Management
- Requirements dashboard
1.12 Humans Resources

This section allows to manage the society’s Humans Resources. This system comes in addition to the standards of
the management of absences.

- You can define the employees, contract types, the contract for the employees
- You can choose the leave entitlement standard for each type of contract
- The employee may reserve periods of leave of absence according to his rights.
- The system also includes a validation process of the requests during the leave period.

Humans Resources Sections

- Leaves Calendar
- Leaves Period
- Leaves rights earned
- Employees
- Employment Contract
- Employee Managers
- Leaves Dashboard
- Regulated leaves parameters

Variable capacity

- The resources may have a capacity that varies over time.
- This allows you to reserve and enter additional time (for periods of overtime)
- or less than the standard capacity (for some periods of rest)

More details

- humans resources
- Variable capacity
- Resource

1.13 Tools

ProjeQtOr includes some tools to generate alerts, automatically send emails on chosen events, import or export
data in various formats.
Imports

ProjeQtOr includes an import feature for almost all elements of project management, from CSV or XLSX files.

CSV and PDF exports

All lists of items can be printed and exported to CSV and PDF format. The details of each item can be printed or exported in PDF format.

MS-Project export

The Gantt planning can be exported to MS-Project format (XML).

Alerts

Internal alerts can be generated automatically based on defined events.

Emails

These alerts can also be dispatched as emails. It is also possible to manually send emails from the application, attaching the details of an item. It is also possible to retrieve answers to this type of email to save the message in the notes of the relevant item.

Administration

ProjeQtOr provides administrative features to manage connections, send special alerts and manage background tasks treatments.

CRON

Moreover, the tool features its own CRON system, independent of the operating system and able to handle the PHP stop and restart.

More details

- Tools
- Administration

1.14 Activity Stream

The Activity stream allows you to display certain information about each of the elements of ProjeQtOr. It is a kind of light history which allows you to quickly see the information of creation, deletion, changes of state of the element or the comments left by users according to their right of visibility. The screen dedicated to the Activity Stream allows you to view all the feeds.
Filter system

This filter allows you to restrict the display by ...

- Type of element
- Its id
- Author
- Team
- Periods
- Show the closed items
- Show only notes

You can also select the amount of information to display and restrict the list to the screen.

Elements displayed

We can see on this summary several elements:

- The element and its ID
- The name given to this element
- The creator of change
- The operation that was performed
- The date and the hour of the change
- Any notes related to the item
- Emails sent for the element with the object and text of the message.

![Activity stream line](image)

**Fig. 5: Activity stream line**

The impacted elements are all clickable.

**Notes**

In the case of notes, the comment is displayed alone.

You can view notes in discussion mode if you filter the stream activity screen by author.

This allows you to escalate an entire discussion.

**Activity Stream on element screen**

You can view the Activity Stream for each element on the screen of the latter.

![Activity stream on screen of Project element](image)

**Fig. 6: Activity stream on the screen of a Project element**

The items displayed depend on your visibility rights.

**Activity stream zone**

- Click on ![Icon] to display the Activity stream zone.
- Click on ![Icon] to hide it.
- Click on ![Icon] to choose the location of the zone on the left of the page
- Click on ![Icon] to choose the location of the zone at the bottom of the page

**Activity stream information**

In the activity stream area you can view the same information as on the dedicated screen.

- The author of the information relayed with his profile icon
- The type of information displayed: creation, deletion, change of state or comments
• The date and time of the modification
  
  Icon for type of information
    – Note/Comment
    – Creation
    – Change of state
    – Mail sending

Add a note
You can add a note simply by clicking in the text box at the bottom of the activity stream area.
By default, your note is visible to all users assigned to the project linked to the item.
  
  • Click on to make your note private
  
  • Click on to share it in public (project team: resources allocated to the project)
  
  • Click on to share the note only with your team

Show/Hide notes
Likewise, it is possible to view the notes directly by using the following buttons
  
  • Click on to hide note comment.
  
  • Click on to display note comment.

By default, you will see all visible notes for each item.
  
  • Click on **Show only notes on activity feed** to display only notes type information.
1.15 Global view

The “Global view” screen lists all the main objects created during a project. This allows you to quickly search through all types of items available.

You can also choose to display only certain items through the list to display

![Create a new item]

Fig. 9: Display one or more items
This chapter defines the concepts of ProjeQtOr. They can be referred in the following chapters.

## 2.1 Concepts

### 2.1.1 Project

A project is the main entity of ProjeQtOr.

Project element is more than a *Planning elements*.

**Gather all project data**

It is also used to allow gathering all data depend on project:

- *Risk management*: mitigation, reserve
- *Ticketing*: Issue, Bug tracking, Change request, Support
- *Steering*: *Meetings, Decisions, Action plan*
- *Requirement & Test*
- *Expense* and ref:*Incomes*: project expenses, individual expenses, activities expenses, Order, Bill, Payment...
- *Documents*

**Restrict data visibility**

Allows restricting data visibility to users by project.

The project data visibility is granted according to the user profile.

- See: *Profiles definition*

- See: *Allocation to project*
**Project selector**

The project selector works as a filter.

By default, the selector displays “all projects”, you can change this view in the user parameters and choose the project to display by default.

You can restrict data for one or more dedicated projects without necessarily being bound

**See also:**

*Top bar* and *User parameters*

**The project type**

Four project types can be defined:

1 - **Operational project**

   Code: OPE

   Most common project to follow activities.

   Manual Billed, Fixed price, Capped time, Time & materials, Internal are operationals projects

2 - **Administrative project**

   Code: ADM

   Allows to follow the non productive work as holidays, sickness, training, …

   All resources have access to this project type without being allocated (Project) or assigned (Activity).

   Create an activity, like an OPE project, for each type of absence.

3 - **Template project**

   Code: TMP

   Designed to define models to be copied into an operational project.

   Any project manager (profile) can see and copy these projects without having to be assigned to them.

   To edit this template project directly, an assignment is required.

   To modify it without assignment, you must first copy the project into an operational type project (OPE).

   A model project, even if it is displayed in the Gantt chart, is not taken into account in planning. Even if there are assignments and assigned load, it is not stored and therefore is not planned.

   You will not be able to display the planning detail on template type projects.

   See: *Copy an item*

4 - **Proposal project**

   Code: PRP

   Proposal-type projects are intended to identify strategic projects. It allows you to define objectives based on internal and external factors to achieve them.

   For projects of this type, 4 additional fields are displayed:

   • Strength
   • Weakness
   • Opportunity
   • Threat

   Strategic value is mandatory

   see: *critical resource*
The project is automatically saved as “Under construction” and is read-only. .. note:

| The project type is defined in a project type. |
| Which is associated to a project. See: :ref:`planningelem_project` |

**Define billable project**

A project can be billable or not.

**Non billable project**

The non billable project is used for internal or administrative project.

**Billable project**

For billable projects the billing types available are: at terms, on producing work, on capping produced work and manual.

The actual work done and billed is locked.

**Note:** The project billing type is defined in a project type.

Which is associated to a project. See: *Project*

**Warning:** Deleting a project also deletes the indicators, Emails and Delays for the tickets of this project

**Hat project**

The definition is made by the project type, you define that certain types of projects can not have activities, only subprojects or milestones.

```plaintext
* Behavior

- description [ ] mandatory
- lock in progress [ ] if checked, 'in progress' can be changed only by status
- lock done [ ] if checked, done can be changed only by status
- lock closed [ ] if checked, "closed" can be changed only by status
- lock cancelled [ ] if checked, "cancelled" can be changed only by status
- no left work on done [ ] item can't be 'done' with left work
- lead project [ ] Projects of this type will not contain activities
```

Fig. 1: Project type Behavior
Fix the planning

You can freeze the content of a project or projects from the moment you do not want to extend the project or modify it.
Allocation to project

Concepts

- Profiles definition
- Stakeholder definition

Allocation to project is used to:

- Define project data visibility.
- Define resource availability.
- Define the period of access to project data by the user.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id of the resource.</td>
</tr>
<tr>
<td>Resource</td>
<td>Resource name.</td>
</tr>
<tr>
<td>Or contact</td>
<td>Contact name.</td>
</tr>
<tr>
<td>Or user</td>
<td>User name.</td>
</tr>
<tr>
<td>Profile</td>
<td>Selected profile.</td>
</tr>
<tr>
<td>Project</td>
<td>Project allocated to.</td>
</tr>
<tr>
<td>Rate</td>
<td>Allocation rate for the project (%).</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date of allocation.</td>
</tr>
<tr>
<td>End date</td>
<td>End date of allocation.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that the allocation is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the allocation.</td>
</tr>
</tbody>
</table>

Allocation behavior

Example 1

- R allocated to project A
- B is a subproject of A
- B has no allocation
  - R can be assigned to an activity of B
  - It is impossible to delete the allocation of R on project A because R is assigned on the activity of project B

Example 2

- R allocated to projects A and B
- B is a subproject of A
- R is assigned to the activity of B
  - It is possible to remove the allocation from R to B because the allocation on A preserves consistency
  - A being the parent project, it is not possible to delete the allocation from R to A although the allocation from R to B exists
Fields Resource & Contact

- You can select resource or contact.
- If none is selected then the user connected is used to define the allocation.
- If a contact is a resource and inversely, then resource or contact name will be selected too.

The following sections describe allocation to project, performed for user, resource or contact.

User allocation

Allocation to project gives data visibility on a project.
Allocation to project can be defined in the Users screen.

Profile selection

The selected profile allows you to define the rights on all the elements of the project.
The profile displayed first will be the default
The profile given to an assignment for a user / resource / contact may be different on each project
These rights are applied only on the said project

Note: Profile defined in allocation to project does not grant or revoke access to users.
General access to application functionalities and data is defined by user profile.

Period selection

Allows you to define the visibility period of the project data.
Can be used to limit the access period, in accordance with the service agreement.
Resource allocation to project

Allocation to project allows to define the resource availability on project. A resource may be allocated to projects at a specified rate for a period. Allocation to project can be defined in Project and Resource screens. You can also allocate a team or an organization to a project in Teams and Organization screens.

Note: A resource allocated to a project can be defined as responsible of project items treatment.

Period & Rate selection

A resource may be allocated to a project or assigned to a task at a specified rate for a period. This rate is used to keep some scheduling time for other tasks. For instance, if rate is 50%, the resource will not be planned more than half days on the task. If the period is not specified then the resource is allocated throughout the project.

Warning: The planning calculator tries to plan, the remaining work on the task assigned to a resource within the allocation to project period.
If remaining work on the task can’t be planned, a purple bar appears in the Gantt view.

Change resource on an allocation to project

A resource can be changed on allocation to project. All tasks assigned to old resource will be transferred to the new resource with planned work and remaining work. Work done on tasks belongs to always the old resource.

Multi-allocation to project

A resource can be allocated to multiple projects in the same period. Make sure that the allocation to projects for a period not exceeding 100%.
In the section Allocations in Resource screen, a tool allows to displayed conflicts.

Tip: How resolve conflicts?
You can change allocation period to avoid overlap between projects.
You can change the rate of allocation for it does not exceed 100% for the period.
Contact allocation to project

A contact allocated to a project can be defined as requestor.
Allocation to project can be defined in Project and Contacts screens.

2.1.2 Activity

An activity is a kind of task that can be planned or that groups other activities.
This is usually a long-term task that can be assigned to one or more resources.
Activities will appear on the Gantt schedule view.
For example, you might consider an activity:

- Scheduled tasks,
- Modification requests,
- The phases,
- Versions or new deployments,

Activities can be grouped as a Mother / Daughter link.
The parent activity must belong to the same project.
A WBS structure is applied and a dynamic index is calculated for all activities.
The WBS Activity Index can be changed in the Gantt schedule view using drag and drop.

Planning Activity

An activity can be linked to elements that cannot be planned. So that the time spent on tickets, which cannot be scheduled, can be taken into account in the overall planning of the project, you can create a planning activity.
This option allows you to assign a time pool that will be scheduled and to link tickets to this tank.
The time spent on tickets will then be decremented to that of the planning activity.
See: Planning activity
**Assignment**

The assignment is used to assign resources to project tasks (activity, test session, meeting).

Consists to assign a resource to a task in a specific function. The function allows to define the resource daily cost.

A resource assignment contains data about work on task (planned, real, left and reassessed work).

Basic, you cannot delete a resource assignment after the resource has entered actual work on the activity.

This assignment can be deleted by a profile including the option “Can delete items with real work” in the access rights menu in the specific access.

Similarly, if the resource has completed its activity, deletion is not possible.

You keep track of the resources that have been assigned and worked on the activity.

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**Note:** Only resources allocated by the project can be assigned to project tasks.

Assignment can be done in Activity, Test sessions and Meetings screens.
2.1.3 Organization

The notion of organization introduces a way to consolidate projects on a different hierarchic structure, apart from projects / sub-projects structure.

Definition of the structure of the company in the frame of organizations

Departments, Units, Location, …

The organization summarizes the data of the projects in progress for the organization.

Organization link

Each project can be linked to an organization.

Resources can be linked to an organization.

Note: Depending on the profile, you can limit the visibility of resources to people in the same organization or team as the current user.

Sub-projects are by default attached to the same organization as the parent, but can be integrated into another organization.
2.1.4 Product

A product is a material object or for IT/IS projects is a software application.

Composition of product

A product can have a complex structure that can be composed of sub-product and components.
A product and its components can have several versions that represent each declination.
See: Product structure

Linked to a project

A product is an element delivered by a project.
The link with the project have no impact on project planning.
Indicates only that project is devoted to a specific product versions.
The link management is done in Project and Product Versions screens.

![Fig. 3: Link with projects](image)

Identifying the version that is the subject of treatment

Product (component) versions can be identified in these elements:
- Activity
- Milestone
- Requirements
- Test cases
- Test sessions
- Tickets.

The purpose is to identify which product (component) and its version that is the subject of the treatment.
Depending on the element, it has the possibility identifying version of origin, target version or both.
Document management

Documents can be identified to products.
See: Documents

Management of product and component elements

See: Configuration Management, for detail about management of product and component elements.

Product structure

The product structure is defined depending on the relationships defined between product and component elements.
The rules defining a product structure are:

Relationships between product elements

- A product can have several sub-products.
- A sub-product can be in the composition only one product.

![Fig. 4: Relationships between product elements](image)

Relationships between product and component elements

- A product can be composed of several components.
- A component can be in the composition of several products.

![Fig. 5: Relationships between product and component elements](image)

Relationships between component elements

Components can be linked between them (N to N relationships).
Versions of product and component elements

A product can have several versions that represent each declination of product.
A component can have several versions that represent each declination of the component.
Links can be defined between versions of products and components, but only with the elements defined in the product structure.
2.1.5 Planning

ProjeQtOr implements work-driven planning method.
Based upon on resource availability and their capacity.

Resource availability

Resource availability is defined by calendars and project allocation period.

Resource calendar

- Each resource is attached to a calendar to define its working days.
- Tasks assigned to the resource will be planned according to working days defined in the calendar.
- More detail, see: Resource calendar

Project allocation period

- The resource can be allocated to several projects.
- Possibility to define allocation period.
- More detail, see: Resource allocation to project

Resource capacity

Resource capacity is defined on daily base.
The scheduling tool does not exceed the daily resource capacity.

Note: Full Time Equivalent (FTE)

- This indicator is defined for each resource.
- It allows to define the daily capacity.
- More detail, see: Resource

Project allocation rate

The project allocation rate is used to resolve allocation conflicts between projects.
It allows to define resource availability for a project during a period.
Use with the resource capacity, it allows to define the project allocation capacity on a weekly base.

Task assignation rate

The task assignation rate is used to keep some scheduling time for other tasks.
Use with the resource capacity, it allows to define the assignation capacity on a daily base.
Draft planning

Two methods can be used to create a draft planning.

Use planning mode “fixed duration”

This planning mode is used to define fixed duration tasks. See: Planning mode

Dependencies allow to define the execution order of tasks. See: Dependencies

You can define this planning mode as default in the Activities Types screen for some types of activities you’ll use in draft plannings

Use faked and team resource

The faked and team resource can be useful to get a first estimate of project cost and duration without involving the real resources.

Planning schedule is calculated using of the work-driven planning method.

Faked and team resources can be mixed in same draft planning.

Faked resources

• For instance, you want to define a Java developer resource. You can create a resource named “Java developer #1”.
• There are several levels of Java developer with different daily costs (beginner, intermediary and expert).
• You can define for this resource the functions and average daily cost for each level. (See: Resource function and cost)
• You assign this resource to tasks, to a specific function (level). (See: Assignment)
• Faked resource will be easily replaced with real resources when project becomes real, with allocation replacement feature.

Team resource

• A team resource is a resource whose daily capacity has been defined to represent capacity of a team (Capacity (FTE) > 1).
• For instance, you needed to define four Java developers, but you don’t want to create a resource for each. You can overload the daily capacity of the resource (Example: Capacity FTE=4).
• Using team resources is very easy but renders estimation of project duration as draft, not taking into account constraint of different resources such as possibly different skills or expertise level.
• With team resources it is very easy to estimate planning with different number of members in the team : what if I include 5 Java developers instead of 4 ? Just change capacity to 5 and re-calculate planning…
Planning elements

ProjeQtOr offers standard planning elements like Project, Activity and Milestone. But also, it offers two more planning elements: Test session and Meeting.

Project

This planning element defines the project.

- It allows to specify information on the project sheet like the customer, bill contact, sponsor, manager and objectives.
- Documents, notes and attachments can be annexed.
- More detail: Project

Sub-project

Sub-project is used to split the project.

The project can be split to correspond the organizational breakdown or something else.

Note: Separation of duties

- A project can be split into multiple sub projects.
- A project leader and team can be allocated to each sub-project.
- Project allocation allows to define data visibility and isolate sub-projects. See: Allocation to project
- A supervisor can follow-up the project in its totality.

Fig. 8: Separation of duties

Activity

This planning element can be a phase, a delivery, a task or any other activity.

An activity can grouped other activities or be a task.

More detail, see: Activity screen

Grouping of activities

- An activity can be the parent of activities.
- This allows to define the structure of phases and deliveries.
• Dates, works and costs of activities (child) are summarized in the activity (parent).

**Task**

• An activity is a task when it’s not a parent of activities.
• A task is assigned to resources for to be performed.

**Test session**

This planning element is a specialized activity aimed for tests.
A test session allows to define a set of test case that must be run.
A test session can grouped other test sessions or be a task.
More detail, see: *Test sessions* screen.

**Grouping of test sessions**

• A test session can be the parent of test sessions.
• This allows to define the structure of test sessions.
• Dates, works and costs of test sessions (child) are summarized in the test session (parent).

**Task**

• A test session is a task when it’s not a parent of test sessions.
• A task is assigned to resources for to be performed.

**Milestone**

This planning element is a flag in the planning, to point out key dates.
May be a transition point between phases, deliveries.
ProjeQtOr offers two types of milestone floating and fixed.
More detail, see: *Milestone* screen.

**Meeting**

This planning element acts like a fixed milestone, but it’s a task.
Like a milestone, a meeting can be a transition point.
But also, like a task because it’s possible to assign resources and planned work.
More detail, see: *Meetings* screen.
Role of an dependency

Dependencies allow to define the execution order of tasks (sequential or concurrent).
All planning elements can be linked to others.
Dependencies can be managed in the Gantt chart and in screen of planning element.

Note: Global parameter “Apply strict mode for dependencies”

If the value is set to “Yes”, the planning element (successor) can’t start the same day that the end date of planning element (predecessor).

Dependency types

• ProjeQtOr offers only the dependency (Finish to Start).
• This section explains what are they dependency types can be reproduced or not.

  Start to Start

  To reproduce this dependency type, it’s possible to add a milestone as prior of both tasks.

  Start to Finish

  This dependency type can’t be reproduced in ProjeQtOr.
  This is a very weird scenario.

  Finish to Finish

  The successor should not end after the end of the predecessor, which leads to planning “as late as possible”.

  Anyway, the successor can end before the predecessor. Note that the successor “should” not end after the end of predecessor, but in some cases this will not be respected:
  • if the resource is already 100% used until the end of the successor
  • if the successor has another predecessor of type “End-Start” or “Start-Start” and the remaining time is not enough to complete the task
  • if the delay from the planning start date does not allow to complete the task.

Delay (days)

A delay can be defined between predecessor and successor (start).

Planning mode

Planning mode allows to define constraints on planning elements: activity, test session and milestone.
Milestones planning mode

Planning modes are grouped under two types for milestone:

Floating
- These planning modes have no constraint date.
- Planning element is floating depending on its predecessors.
- Planning modes: As soon as possible, Work together, Fixed duration and floating milestone.

Fixed
- These planning modes have constraint date.
- Planning modes: Must not start before validated date, As late as possible, Regular and fixed milestone, Manual planning.

See also:
Activity and Test session planning modes and Milestone planning modes.

Planning element planning mode

Several planning modes for your project elements are proposed to best manage the time spent on certain planning elements.

See: Planning Modes
- As soon as possible
- Work together
- Fixed duration
- Must not start before validated start date
- Must start at validated date
- Should end before validated end date
- Regular between dates
- Regular in full days
- Regular in half days
- Regular in quarter days
- Recurry (on weekly basis)
- Manual planning

Prioritized planning elements
Planning elements are planned in this order of priority:
1. Manual planning
2. Fixed date (Fixed milestone, Meeting)
3. Recurrent activities - Planning modes “Regular…” (Activity, Test session)
4. Fixed duration (Activity, Test session)
5. Others

Note: Since ProjeQtOr does not plan in advance, the “As soon as possible” planning mode without constraint date (floating point) is not available.

Default planning mode
Possibility to define the default planning mode according to element type.

See: Activities types, Milestones types and Test sessions types screens.

Planning priority

The planning priority allows to define planning order among planning elements.

Possible values: from 1 (highest priority) to 999 (lowest priority).

Planning priority value is set in progress section of planning element.

Note: If projects have different priorities, all elements of project with highest priority are planned first.

Project structure

Work breakdown structure (WBS) is used to define project structure.

Breakdown can be done with sub-projects, activities and test sessions.

Structure management

- As seen previously, the project can be split in subprojects.
- All other planning elements concerned by the project or subproject are put under them without structure.
- Planning elements can be grouped and orderly in hierarchical form.
- Structure management can be done in the Gantt chart or in planning elements screen.

WBS element numbering

- The project is numbered by its id number.
- All other elements are numbered depending on their level and sequence.
- WBS numbering is automatically adjusted.

Project planning calculation

The project planning is calculated on the full project plan that includes parents and predecessor elements (dependencies).

Planning

The calculation is executed task by task in the following order:

1. Manual Planning
2. Dependencies (Predecessor tasks are calculated first)
3. Prioritized planning elements
4. Project priority
5. Task priority
6. Project structure (WBS)
Constraints

The remaining work (left) on tasks will be distributed on the following days from starting planning date, taking into account several constraints:

- Resource availability
- Resource capacity
  - Project allocation capacity (Project allocation rate)
  - Assignation capacity (Task assignation rate)
- Planning mode

Resource overloads

- This is not possible to overloading the resources.
- The planning calculation process respects availability and capacity of the resource.
- If it is not possible to distribute remaining work, on already planned days, the calculation process uses new available time slot.
2.1.6 ProjeQtOr roles

A stakeholder can play many roles in ProjeQtOr.

Roles depends on Stakeholder definition.

Specific roles are defined to allow:

- To categorize the stakeholders involved in the projects.
- To identify the stakeholders on items.
- To regroup the stakeholders to facilitate information broadcasting.

Use to

- In items of elements.
- As reports parameters.
- As recipients list to mailing and alert.
2.1.7 Profiles definition

The profile is used to define in-app permissions and data access rights.
Each resource, user or contact is assigned a profile. This is mandatory. This is the default profile.
Multiple resources, users, or contacts can have the same profile. They are linked to a profile and belong to this
group and share the same application behavior.

Note: You can define profiles to be conformed to the roles defined in your organization.
See: Profiles
See: Access rights

Used for

The profile is used to define access rights to application and data, first.
Also, the profile is used to send message, email and alert to groups.

Selected profile in project allocation

A profile can be selected to a user, resource or contact in project allocation.
The profile selected is used to give data access to elements of the projects.
A resource can have a different profile on each project to which it is assigned.

Workflow definition

The profile is used to define who can change from one status to another one.
You can restrict or allow the state transition to another one according to the profile.
Workflow definition is managed in Workflow screen.

Predefined profiles

ProjeQtOr offer some predefined profiles.

Administrator profile
- This profile group all administrator users.
- Only these users can manage the application and see all data without restriction.
- The user “admin” is already defined.

Supervisor profile
- Users linked to this profile have a visibility over all the projects.
- This profile allows to monitor projects.

Project leader profile
- Users of this profile are the project leaders.
- The project leader has a complete access to owns projects.

Project member profile
- A project member is working on projects allocated to it.
• The user linked to this profile is a member of team projects.

**Project guest profile**

• Users linked to this profile have limited visibility to projects allocated to them.
• The user “guest” is already defined.

**Predefined profiles (External)**

ProjeQtOr allow to involve client employees in their projects.

The distinction between this profile and its equivalent, user access is more limited.
2.1.8 Stakeholder definition

ProjeQtOr makes it possible to define the roles of the stakeholders. The definition of stakeholders is done in part with the profile. This allows certain access and visibility rights to be determined. See: profiles and with the definition of user / resource / contact.

These combinations are used to define:

- Connection to the application.
- Data visibility.
- Availability.
- Roles.

These stakeholders can be either resource, contact, or users, but they can also be all three.

The next matrix shows the different possibilities.

<table>
<thead>
<tr>
<th></th>
<th>Connection</th>
<th>Visibility</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>URC</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>UR</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>UC</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>U</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>R</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
</tr>
</tbody>
</table>

Table 2: U=User - R=Resource - C=Contact

Data visibility

Fig. 9: Data visibility diagram
User profile

- To a user, data visibility is based on its user profile.
- User profile defined general access to application functionalities and data.
- Base access rights defined if a user has access to own projects or over all projects.

All projects

- This access right is typically reserved for administrators and supervisors.
- Users have access to all elements of all projects.

Own projects

- Users with this access right must be allocated to project to get data visibility.
- Selected profile in allocation allows to define access rights on project elements.
- For more detail, see: Allocation to project.
Resource availability

Only resource can be assigned to project activities. Project allocation allows to define the resource availability on project.

**Human resource**
- Human resource is a project member.
- Combined with a user, a human resource can connect to the application.

**Material resource**
- Material resources availability can be defined on projects.
- But, material resource must not be connected to the application.

**Contact roles**
- ProjeQtOr allows to involve contacts in projects.
- Combined with a user, a contact can connect to the application
- Combined with a resource, contact availability can be planned in projects.
Shared data

For a stakeholder, data on user, resource and contact are shared.
Allocation to project and user profile are also shared.

**Note:** For a stakeholder, you can define and redefine the combination without losing data.
2.1.9 Resource function and cost

**Function**

The function defines the generic competency of a resource.
It is used to define the role play by the resource on tasks.
In real work allocation screen, the function name will be displayed in the real work entry.
A main function must be defined to resource and it is used as default function.
A daily cost can be defined for each function of the resource.
The *Functions* screen allows to manage function list.

**Resource cost definition**

Allows to define the daily cost, according to the functions of the resource.
The daily cost is defined for a specific period.

**Real cost calculation**

When real work is entered, the real cost is calculated with work of the day and daily cost for this period.

**Planned cost calculation**

When the project planning is calculated, resource cost is used to calculate planned cost.
Planned cost is calculated with planned work of the day and current daily cost.

**Note:** Function and cost are defined in *Resource* screen.
2.1.10 Resource calendar

A calendar defines the working days in a year.
A calendar is defined for a type of resource and each resource is attached to a calendar.

Planning process

Calendars are used in the planning process which dispatches work on every working day.
During the planning process, the assigned work to a resource is planned in its working days.

Note: You must re-calculate an existing planning to take into account changes on the calendar.

Shows the availability of resources

Working days defined in a calendar allows to show availability of resources.

Default calendar

The default calendar is used to define the working days in the year.
By default, this calendar is defined for all resources.

Specific calendar

A specific calendar can be created to define working days for a type of resource.

Note: A calendar is set in Resource screen.
The calendar is defined in Calendars screen.

Use case

Public holiday

You can use the default calendar to set public holidays.

Work schedule

You can define a different work schedule to some resources.
This calendar defined exceptions to normal working days.
For instance, you can define a calendar for resources on leave on Wednesdays.

Important: Personal calendar

Even if you can create a specific calendar to each resource, this is not the advised way to manage personal days off and vacations.
You’d better use Administrative projects (enter real work in advance).
2.1.11 Contexts

The contexts defines a list of elements selectable to define ticket context and test case environment.
Contexts are initially set to be able to define contexts for IT Projects, for three context types:

- Environment
- Operating System
- Browser

They can be changed to be adapted to any kind of project.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Id</strong></td>
<td>Unique Id for the context.</td>
</tr>
<tr>
<td>Context type</td>
<td>One of the three context type.</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Name of the context.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define the order of display in lists</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Flag to indicate that the context is archived.</td>
</tr>
</tbody>
</table>

**Fields Context type**

The list is fixed.

Captions are translated and so can be changed in language file.
This chapter includes ProjeQtOr features that allow you to practice agile methods.
3.1 Agile Methods

Agile methods are groups of practices of piloting and realization of projects. They originate from the Agile Manifesto, written in 2001, which uses the term “agile” to refer to multiple existing methods.

Agile methods are more pragmatic than traditional methods, involve the client as much as possible and allow a great reactivity to his requests. They are based on an iterative, incremental and adaptive development cycle and must respect four fundamental values, based on twelve principles, from which a base of practices, either common or complementary, derives.

3.1.1 KanBan

The Kanban methodology comes from the Japanese automotive industry. It was created with the aim of optimizing the production capacity.

The Kanban method is based on the continuous improvement of production processes to enable lean production management.

The Kanban approach is a stock management method that allows you to produce on demand.

The main objective is to balance production and demand.

With Kanban, you can create a new Kanban board for

- Tickets,
- Activities,
- Actions,
- Requirements

- Add / Remove columns to an existing Kanban board

Fig. 1: Kanban Screen
• Direct update of elements

Dashboard management

![Fig. 2: Header area](image)

**Interface areas:**
- The Drop-down list
- Create a new table
- Create a new column
- Create a new element
- Fields restriction
- Kanban filters
- Other options

- The Drop-down list
  
  You can see the complete list of created tables by clicking on the Kanbans drop-down list in the My Kanbans section.
  
  The icon used for kanban tables created corresponds to the type of elements selected.
  
  You can see the shared kanban tables by others users on the shared Kanbans section.

![Fig. 3: List of existing kanban](image)

• Click on to copy this kanban

• Click on to edit this kanban

• Click on to share this kanban. The icon is fill when it is already shared.

• Click on to delete this kanban

3.1. Agile Methods
Create a new table

When you create a kanban, no matter what type, only one column is available.

You create the following columns according to your needs.

- Click on \(\text{+}\) to create a new Kanban

![Add a new Kanban](image)

Fig. 4: Add a new kanban of tickets

You will need to define:

- **Name** for the new Kanban board
- **Type of item**: you can define a Kanban of Tickets, Activities, Actions or Requirements

When you have selected the item type, you must then define the type of Kanban board to apply:

- **Status**: you will manage the most standard “status based” kanban board
- **Target product version**: you can distribute the tickets among the target product version
- **Planning activity**: You will be able to send tickets among planning activities, which can be your Sprints in the Scrum method.

**See also:**

See *Planning activity* on the tickets screen

You can choose directly if you want to share the newly created kanban with other users so that they can use it.

When you share a Kanban, other users will see your share in the list of shared Kanbans.

![Kanban screen](image)

Each time you access the Kanban screen, the last selected Kanban map is displayed.

Create a new Column

By default, when you create a new Kanban table, it gets a single column.

- Click on \(\text{+}\) to create a new Column
The pop up is different depending on the type of kanban board created beforehand.

![Fig. 5: Add a new column](image)

In the case of a status arrangement, the columns contain items from one status to another in the order of presence of your workflow.

![Fig. 6: Select the next status](image)

The next column will show the next status following your workflow to the last or the status you have determined.

![Fig. 7: Details header column](image)

Each column indicates the number of elements contained in.

Click on to edit the column name.

Click on to delete the column.

Create a new element

The creation button change depending on the type of the element selected.

- Click on to add a new ticket into the Kanban Board or
- Click on to add a new action into the Kanban Board or
- Click on to add a new activity into the Kanban Board or
- Click on to add a new action into the Kanban Board

Fields restriction

As with other ProjeQtOr screens, you can restrict the display of items in the created columns of your kanban.

You can restrict items by name, manager, version, and sort them by ID, name, manager, status, or target version product.

Advanced filters

Click the icon to set an advanced filter.

The advanced filter is used to define a clause to filter and sort
for more information on advanced filters
see: Advanced filters in Graphic User Interface

Show / Hide informations

Show work on elements

You can view the work information of items on each column.
The estimated work, actual work, and work remaining information on the selected item can be displayed.
If your profile is not allowed to see the job, you will not have access to this option.
The format for displaying the job (days or hours) depends on the overall configuration:

• **unit for real work allocation** for Tickets
• **unit for workload** for Activities

Show closed items

You switch to archive mode. You can view the closed elements.

Show large element

By default, Kanban board columns display two tiles side by side.

By displaying the tiles in wide mode, each tile takes the maximum width of the column.

![Fig. 8: Wide kanban board display](image)

Hide backlog

When you create a kanban, you do not yet have columns representing a state, a set of states or even versions.
The tiles then appear in a Backlog column.

You have the option to hide this column.
**Element management**

Find below the details of the tiles of your kanbans

Details of an element

- ID of the element with in the background the project color
- The type of the element
- The name of the element
- Status in which the tile is located in relation to your *Workflow*
- The target product version
- The planning activity or parent activity related to the element
- The description of the element
- Estimated work | Real work | Left work
- Responsible of work Photo - The name is displayed on mouse over
- Priority of the element - Priorities are customizable. See list of values

**11** Vote. The button allows you to vote on the item if you have the rights. Click the button to display the voting pop-up

**12** Add a note. The number of notes is displayed on the icon

**13** Edit the element

**14** Go to the element screen

Edit an element

Click on ✏️ to edit the element.

Click on the button to edit the element directly from the Kanban screen.

A pop-up is displayed with your item information as on the dedicated screen.

Click on ✐️ to save your changes
Moves an element
To move tickets, activities, or anything else from your kanban, drag and drop a ticket into the corresponding column.

The heading of the moved element then changes to green when it is on a column where the movement is allowed and is red when it is on a column where the movement is prohibited.

If the Kanban is arranged as statuses, the new status after move, will be the first status of the range defined for the column.

For Kanbans based on the target product version and planning activities, the new field value will simply be the target.

Forbidden moves
Displacements will change the value of the corresponding field for the moved element.

But the “status” change must respect the workflow configuration for the given item type. This is why some movements are prohibited.

Permitted moves are easily identified from prohibited moves by the color of the Ticket header or the moved Activity.

Updating
Depending on the configuration of the ticket type, some state changes may require the definition of new fields.

For example, in the default configuration, when changing to the “assigned” state, “responsible” is required, and when transitioning to the “terminated” state, “result” is required “.

In this case, when you move a ticket in the Kanban columns, a pop-up window appears to allow you to enter the missing value if it is not already defined.
If the voting settings and your rights allow you to vote on an element, then the vote button will be clickable and you will be able to vote directly on the element from the Kanban screen.

Fig. 10: Move an element

Fig. 11: Vote pop-up

Renseignez votre vote. Les points restants sont automatiquement décrémentés.
Cliquez sur valider pour fermer le pop-up.
Selon les règles établies pour le vote sur l’élément, le bouton va se remplir au fur et à mesure des votes.
See: voting management
3.1.2 Live Meeting

LiveMeeting allow you to manage meetings in an agile way:

- Manage written production quickly and easily
- Recovery in the liveMeeting of the agenda established on the meeting screen
- Automatic saving of the minutes when leaving the live meeting
- Automatically share the time between all participants
- Dynamically measure the speaking time of each participant
- Easily write minutes while assistants speak
- Easily manage actions / decisions / questions while writing minutes and add them with the enter button.
- Manage tickets, activities, actions and requirements with Kanban while writing minutes.
- Kanban status change manipulations are also indicated in the meeting minutes.

**Description**

![Meeting management screen](image)

Fig. 13: The Live Meeting button

Click this button to access the Live Meeting Management screen.

- Click on **Hide time counters** to show or hide participants’ tabs with their speaking time
- Click on **Start meeting** to exit the LiveMeeting screen
Fig. 14: The Live Meeting screen

- Click on \(\text{図} \) to manage your kanbans since the live meeting
- Click on \(\text{図} \) to display the QUestions / Actions and Decisions
- Click on \(\text{図} \) to save the live meeting report

**Starting a meeting**

When the Live Meeting screen opens, the duration of the meeting is automatically distributed equally to all participants.

![Time distribution](image)

Fig. 15: Time distribution

- Click on \(\text{図} \) to start the meeting and to start decrementing the speaking time
- Click on \(\text{図} \) to stop the meeting and therefore close the LiveMeeting window to return to the current meeting screen
- Click on \(\text{図} \) to pause the speaker’s time
  
  Set the organizer
  
  Before starting the meeting, you can define an organizer who will need additional speaking time to be able to lead the meeting.

  To designate it, click twice on the hourglass \(\text{図} \) to obtain the symbol \(\text{図} \) on the icon.
The organizer is designated, and sees his time increment double by taking equitable time on the other participants.

Meeting: Committee #5

Note that only one participant can be defined as an organizer.

To set another participant as an organizer, you must first redefine the current organizer as a normal participant by clicking the hourglass button again.

Speaking Time

If you started the meeting by clicking on the Play icon at the top right of the screen, then this is the first speaker displayed, the one with the green sign that will begin speaking.

Otherwise, click on the speaker’s tab of your choice to start your speaking time.

- Click on to prevent a speaker from speaking
- Click on to give him the floor again

If you prevent a speaker’s speaking time by clicking on the hourglass, then the remaining speaking time of the speaker will be redistributed to the other participants entitled to speak.

Write a meeting report

During the course of the meeting, the person in charge of the report can inform and report the words of the various participants.

The text editor is dynamic and reacts to speakers who have the floor.

When one speaker is finished and another speaker speaks, a field is added in the text editor with the name of the speaker with the detail of the time

The pause is also mentioned always with the detail of the time.

When you stop LiveMeeting by clicking | meetingStop | the meeting report is automatically copied to the Minutes field in the treatment section.
Fig. 17: Field with the speaker’s name

Fig. 18: The meeting report is copied in the minutes field in the treatment section
Actions, Decisions and Actions

In the lower part of the screen, if the kanban is not open, you have direct access to actions, decisions and questions.

![Actions, Decisions, Questions Management](image)

Fig. 19: Actions, Decisions, Questions Management

Each list acts as the standard “linked element” element present on almost every element screen.

You can then list an item to add it to the list of related items, but also create a new item to add to the list, just like for the Linked Items feature.

All linked items through this feature will appear in linked items in the meeting.

There is a slight difference with related items, when you click on the name of an item, you are not redirected to it. It simply opens in a pop-up form, allowing you to update it without leaving the LiveMeeting screen.

New element

You can create, edit, or delete an action, decision, or question from the live meeting screen.

Click on + at the top right of each section to add a new element

A pop up opens and allows you to create and edit the selected element.

![Detail of element](image)

Fig. 20: Creating a new element

- Click on ✔ to select an item into the list by
- Click on ✖ to create an item
- Click on ⬈ to undo the current manipulating and close the window
- Click on 🔍 click on filter to restrict display

You can also create a new item directly.

Fill in the fields with an explicit title and click on ✉ to validate.

The line is displayed directly in the corresponding section without opening the pop up.
3.1.3 Planning Poker

Planning Poker, also known as Scrum Poker, is a consensus-based gamified estimation technique primarily used to estimate the relative effort or size of development goals. (wikipedia)

Projeqtor integrates planning poker into its functionalities. You will be able to plan a planning poker session as a meeting and see it appear on the Gantt chart.

You define the project to which the session is linked, the user story (s) as well as the voters.

Planning poker session

The planning poker session screen is reserved for the session organizer and certain supervision profiles.

A planning poker session can be scheduled and is visible on the Gantt chart of the planning view.

Run a poker session

You define a date for your session, one or more user stories and the participants in the votes.

Click on Run estimate in front of the user stories you want to launch or on run all to launch all the user stories.

When at least one user story is started, then voters will be able to access it on the planning poker estimate screen.

Only profiles with update rights can vote on the planning poker sessions screen.

The user story estimate is identical between the planning poker session screen and the planning poker estimate screen.
Planning poker type

In ProjeQtOr, basic, you find the types “live session” or “session with a due date”.

The types are customizable and can be changed according to your needs.

See: Planning poker type

User story

The User Story represents an Agile practice, used above all in Scrum, to “capture” the needs of the users by expressing in a general and not detailed way, the characteristics, the functions and the requirements of the product to be created.

In ProjeQtOr, a user story can be a ticket, an activity or a requirement.

A session can contain several user stories, there is no limit.

Each of these user stories can be started individually, in part or in full.

Attendees

Participants can be resources, contacts, or users.

Participants are assigned as on an activity, with a function linked to a cost.

You can assign a load manually but if you have entered a time slot then the load is automatically calculated.

Pause and stop session

You can pause the session. This will remove user stories from the planning poker estimates screen without actually closing or stopping the session.

Stop the session, will change the status of the latter to “done”.

User stories will still be visible on the estimates planning poker screen but you will no longer be able to vote.

Change the status to in progress so that the pause and closed buttons are visible again.

Closed a poker session

When all the votes are recorded, you have two options :

• Close the vote
• Turn the cards over

When you turn over the cards, the vote is indicated on each participant’s card.

You then have the possibility to reset the votes and this in accordance with the Scrum method, until the vote is unanimous.

If all the votes are unanimous, when the user story is closed, the complexity point that was voted on is indicated.

If you close without the votes being unanimous, at the time of closing, the lowest and highest values are shown.

The lowest value is selected by default, but you can click the highest value to select it or select another value from the drop-down list.

When the estimate is closed, the value that was voted on is displayed in the user story table.
Fig. 23: Flip cards

Fig. 24: Close of unanimous votes

Fig. 25: Closure of non-unanimous votes

Fig. 26: Report of the value in the table of user stories
Planning poker estimate

This screen is intended for participants of the voting sessions.
User stories are visible on the planning poker estimates screen only when at least one user story is started.

The participants can vote thanks to a series of numbered cards on the principle of the Fibonacci sequence, but in a rounded way.
These values are customizable.
See: list of value - Story point

Estimate an user story

Each participant clicks on a card in order to estimate the proposed user story.
If more than one user story then click on next to vote for the next user story.

- Click on to refresh your screen and the votes
- Click on flip card to return the cards. Only if the user has the rights to do so.

When you have voted, the card changes color. Your vote has been registered

Remaining vote

The remaining votes correspond to the number of votes you need to cast.
Use this information to make sure you don’t forget a user story.
Fig. 28: Planning Poker estimate
ProjeQtOr provides a very rich user interface.

It may be frightening at first glance because of the very numerous elements it provides, but once you’ll get familiar to the structure of the interface you’ll discover that it is quite simple as all screens have the same frames and sections always have similar structure and position.
4.1 User parameters

The User Settings screen allows you to configure personal settings, that is, for your personal session.
The parameters are organized by tab.
You can access the user parameters by going through the Configuration menu or through the connection window.

See: Menu session

Note: User parameters are efficient even without saving.
Saving parameters will retrieve the selected parameters on each connection.

4.1.1 Tab Display

Generic display parameter for user. Choose your theme - Language or size of icons...
Allows you to define the display of some elements of the interface like the history, the checklists, the closed elements
or the style of the notes
or choose default behaviors like closing the page or flipping mode.

A color system for color blind people can be obtained on the planning view to modify the gantt bars and adapt them
for this handicap.

See: Detail's bars Gantt

4.1.2 Tab Export

In this section, you define some simple export or print settings.
4.1.3 Tab Automation

Default selected project and choice of character (Set to “none” to get a flat list) used to indent lists of projects, to represent the WBS structure of projects and sub-project.

Fig. 3: Automation tab

you can also see all the items you are registered for tracking and delete them from this window.

4.1.4 Tab Profile

A photo can be defined for a user, a resource and a contact.

It is a visual identification associated with the name.

To default, the first letter of the name appear as long as you don’t add photo.
Photo management

Browse your pc to find an image that suits you or drag and drop in the area indicated and validate.

- Click on + or photo frame to add an image file. To complete instruction (see: Attachment file).
- Click on trash can to remove the image.
- Click on the image to display the photo in its original format.

Note:
- Photo management can also be done in Users, Resource, Contacts screens, thumbnails

Section Password

Click on Change Password to set a new one.

4.2 Global Parameters

Global parameters screen allows configuration of application settings.

depending on the modules installed, some tabs may not appear.

Tip: Good to know

Moving the mouse over the caption of a parameter will display a tooltip with more description about the parameter.

4.2.1 Tab Work time

Work time sections

- Daily work hours
- Open day
- Unit for work
- Timesheet
Daily work hours

Definition of the working hours applied in your company.
Used to calculate the time based on “hours worked”.

working hours per project

You can also apply specific working hours to each of your projects by setting the working hours per project option to yes.

You can then apply specific working hours on the project screen.

Open days

Possibility to define the working days in the company.
For each day of the week, you can choose between open days or off days.

See: Resource section Calendars

Note: This parameter are taken into account in: working days on calendars, the working days on the calculation and the display, the working days on the display of real work allocation.

Units for work

Parameters to determine the units used to calculate the actual work

Unit for Timesheet (real work) & Unit for Workload

Parameters to real work allocation and workload.

The fields Unit for real work allocation and for all work data can be in days or hours.

Number of hours per day

Allows to set number of hours per day.

Warning:

• If both values are different, rounding errors may occur.
• Remember that data is always stored in days.
• Duration will always be displayed in days, whatever the workload unit.

**Timesheet**

Defines behavior of tasks in the real work allocation screen.

- Display only started tasks
- Display only tasks with the *Macro status* activated.
- Set to first ‘in progress’ status
- Change the status of the task to the first “in progress” status when actual work is entered.
- Set to first ‘done’ status
- Change status of the task to the first “done” status when no left work remains.
- Max days to book work (warning) :
  - Number of days that user can enter real work in the future before getting a warning.
  - Leave blank if you do not want warning.
  - This parameter does not apply to administrative projects
- Max days to book work (blocking)
  - Number of days that user can enter real work in the future. This limit is blocking.
  - Leave blank if you do not want blocking.
  - This parameter does not apply to administrative projects
- Lock timesheet before validated start date
  - In the planning modes “must start on the validated date” and “does not start before the validated date”, it is possible to block the resource allocation sheets before the validated start dates entered
- Alert resource on input done by someone else
- Alert the resource when some real work is entered by someone else.
  - Select your type of alert : Internal, Email, both or none.
- Alert when timesheet canceled by other
  - Send an alert or mail when timesheet is cancelled by another resource.
  - Select your type of alert : Internal, Email, both or none
- Display pools on timesheet
  - Possibly to display the pool whose the resource belongs to.
  - You can manage different trigger settings per recipient

**Warning:** Resources that do not have access to the imputations screen do not receive these alerts

- After submit, alert to project leader
- After submission what type of alert would you want to send to the project leader
- After submit, alert to team manager
- After submission what type of alert would you want to send to the team manager
- After submit, alert to organism manager
After submission, what type of alert would you want to send to the organism manager if work input is too soon, alert to the project leader.

If the resource starts filling out actual work on an activity that shouldn’t start on the date of this posting, then the project manager can receive an alert, an email, or both.

Timesheet input format

- Week/Month: You can choose between displaying by week or by month directly on the allocation sheet using the dedicated button.
- Week: Display will only be done per week.
- Month: Display will only be per month. Be careful with this display which can cause problems on screens that are too small (<15”).

### 4.2.2 Tab Activity

**Activity tab’s sections**

- **Tickets**
- **Control and restriction**
- **Leaves system**

**Tickets**

Specific behavior for ticket management

- Only responsible works on the ticket.
- Only responsible can enter some real work on the ticket.
- Ticket responsible from product Responsible.
- Select if the product Responsible is displayed (always, if empty, never) as Ticket Responsible on that screen.
- Limit planning activity to those with flag.
- Display planning activity selected for the ticket.
- Enable to filter ticket reports by priority.
- Can display tickets on Report screen by level of priority.
- Display ticket at client level.
- Display of tickets on the client screen and on the Contacts screen.
- Display ticket at version level.
- Display of tickets on the version screen.
- Manage accountable on tickets.
- Display the coordinator as Accountable, so the Responsible is the current actor.
Controls and restrictions

Specific parameters for the control and management of restrictions

Allow type restriction on project

Allow to define additional restriction’s type on each project additionally to restrictions defined at project type level.

If so, a Restrict Types button appears in the detail area and allows you to define the type restriction.

Restriction on types by profile hides items

If set to yes, users with profiles won’t see items of unselected types

If set to no, users will just not have possibility to create new items with such types

Limit the functions to those of the resource

On assignments limit functions to those of the resource. Ones with cost and default one.

Leaves system

Allows you to determine who will be the administrator of regulated absences.

The administrator of regulated absences can define the parameters and authorizations of the screens in this module.

4.2.3 Tab Planning

Display tab’s sections

- Planning
- Milestones
- Allocation & assignation
- Automation

Planning

Specific parameters about Gantt planning presentation.

Do not start before the validated start date

This option allows you to use the validated dates of the project to start it at a later date.

- Planning only starts from this date, as if there was a fixed milestone preceding the project.
- Resource timesheets on the project will be blocked before the specified date.

priority of activities from end date

If this parameter is Yes, the activities will be prioritized according to the validated end date.

- End date can be inherited from successors or parents
- Whether this parameter is Yes or No, the last priority criterion is the order in the WBS.
When restricting types, only these types will be displayed for the projects of this type:

- **Actions type**
  - Project
  - Customer
  - Internal

- **Activities type**
  - Task
  - Development
  - Evolution
  - Management
  - Phase

- **Budget type**
  - Initial
  - Additional

- **Catalog type**
  - Product
  - Service

- **Change requests types**
  - Recurring problem
  - Functional improvement
  - Technical improvement
  - Regulatory constraint
  - Process and quality

- **Client contract type**
  - Management assistance
  - Hosting
  - Technical improvement
  - Maintenance & support

- **Client invoices type**
  - Partial bill
  - Final bill
  - Complete bill

- **Component Version Types**
  - Major Version
  - Minor Version
  - Patch

- **Components type**
  - Specific
  - On the shelf

- **Decisions type**
  - Functional
  - Operational
  - Contractual
  - Strategic

- **Deliverable type**
  - Document
  - Software
  - Hardware

- **Delivery type**
  - Document
  - Software
  - Hardware

- **Documents type**
  - Contract
  - Need expression
  - Test plan
  - Meeting Review
  - Detailed Specification
  - Installation manual
  - Operation manual
  - Follow-up
  - General Conception
  - User Manual
  - Financial
  - Detail Conception

- **Incoming type**
  - Document
  - Software
  - Hardware

- **Issues type**
  - Technical issue
  - Resource management issue
  - Process non-conformity
  - Customer complaint
  - Quality non-conformity
  - Delay non respect

- **Meetings type**
  - Steering committee
  - Progress meeting
  - Team meeting

- **Milestones type**
  - Deliverable
  - Incoming
  - Key data

- **Notifications type**
  - ALERT
  - WARNING
  - INFO

- **Opportunities type**
  - Contractual
  - Operational
  - Technical

- **Organizations types**
  - Department
  - Unit
  - Location

- **Products type**
  - Software
  - Service

- **Products version type**
  - Major Version
  - Minor Version
  - Patch

- **Questions type**
  - Functional
  - Technical

- **Requirements type**
  - Functional
  - Technical
  - Security
  - Regulatory

- **Risks type**
  - Contractual
  - Operational
  - Technical

- **Test cases type**
  - Requirement test
  - Unit test
  - Non-regression

- **Test sessions type**
  - Evolution test session
  - Development test session
  - Non-regression test session
  - Unitary case test session

- **Tickets type**
  - Incident
  - Support
  - Anomaly / Bug

- **Provider contract type**
  - Management assistance
  - Hosting
  - Technical improvement
  - Maintenance & support

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Fig. 5: Restrict type box

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4.2. Global Parameters
Fig. 6: Despite its priority place in the WBS, the Evolution X - Analysis activity is scheduled after the Evolution X - Development activity due to its end date later than the second

- Prioritization by end date occurs just before this default criterion.

Show resource in Gantt

Select if the resource can be displayed in a Gantt chart, and format for display (name or initials or none).

Apply strict mode for dependencies

Defines if a task can begin the same day as the preceding one.
- If yes, the successor should begin the next day
- If no, the successor can start the same day.

Manual progress of fixed-duration activities

Choose whether the progress should be calculated or entered manually.

Possibility of managing activities on real time

If yes, you correlate the validated, assigned, actual loads and the rest to be done.

That is, the validated load, the assigned load and the revised (reassessed) load will always be equal.

If so, the addition of an “activity over time” option is added to the activity types.

**Warning:** This option is not available for activities managed in work units.

Manual planned interventions enter work as

Choose whether the work entered in the manual planning should be saved as real work or planned work.

See: *Manual planning mode*

See: *Planned Interventions*

Effect of capacity on planned interventions

- **Limit duration**

Limit duration a resource with capacity 0.8 can be planned only one half-day of 0.5d

- **Determine Duration**

Determine duration a resource with capacity 0.8 can be planned on 2 half-days of 0.4d each

- **None**

A resource with capacité 0.8 can be planned on 2 half-days of 0.5d each

max items to display in Gant Planning

You choose the number of rows you display in the Gantt chart.
Milestones

Specific parameters for Milestones management

Auto link the milestone
It optionally allows you to display the element linked to the milestone (The option above should be on “yes” to have access to the selection of milestone targeted)

Set milestone from product version
It optionally allows you to automatically retrieve the milestone from the milestone of the Project Version.

Update milestone responsible from deliverable

Update milestone Responsible automatically when the Responsible of deliverable has changed.

Update milestone responsible from incoming
Update milestone Responsible automatically when the Responsible of deliverable has changed.

Update deliverable responsible from milestone
Update deliverable Responsible automatically when the Responsible of milestone has changed.

Update incoming responsible from milestone
Update incoming Responsible automatically when the Responsible of milestone has changed.

Allocation & Assignation

Specific parameter for Pool of resource et behavior on activities.

Automatic allocation of pool resources
Automatic allocation of resources of the pool when allocating a pool to a project.

Explicit allocation
When you assign the pool to the project, the resources will appear in the allocation table in addition to the pool row.
And in the drop-down list of resources for assigning to activities.

Implicit allocation
When you assign the pool to the project, only the row of the pool is shown in the allocation table.
The resources composing it are however present in the drop-down list of resources on the table of assignments.

No
None of the resources making up the pool are visible in the assignments table and they will not appear in the drop-down list of assignments.

Status change on assignment
When you assign a resource to a schedulable element of ProjeQtOr, you can modify the status of the element when creating an assignment.
For this behavior to be effective, you must specify which status will trigger this behavior. See: Status
When creating the assignment, the status will be automatically changed unless it was already in the trigger status..
**Automation**

Parameters to manage automations

Consolidate validated work & cost

Select if validated work & cost are consolidated on top activities and therefore for projects.

Select whether posted work and cost are consolidated across major activities and therefore across projects.

It is therefore the charges and costs of the sub-activities that will be transferred to the “mother” activities and therefore to the projects.

- **Never**: Not consolidated. Charges and costs will only be entered and consolidated manually.
- **Always**: The values are always replaced on the parent activities and the project. If the parent activities were filled in then the values will be overwritten by the child activities.
- **Only is set**: Replaces values only if parents are given. An exception is made if the parent is set to 0 / “null”. In this case, the parent is not overwritten.

**Auto set Responsible if single resource:**

Behavior about management of responsible, including automatic initialization of responsible.

Automatically set Responsible if not set and by the only one resource allocated to the project

**Auto allocated manager to the project:**

Automatically create an allocation for the project Manager to the project. He should be a resource.

**Auto set responsible if needed:**

Automatically set Responsible to current resource (as using the element) if not set and if a Responsible is required (respecting access rights)

**Auto assign responsible to activity:**

Assign automatically the Responsible to activity

**Auto set parent status:**

Automatically set the status of the parent element (in the WBS structure) from the status of the child elements.

So that when the first child changes to “in progress”, the parent changes to “in progress” and when all children are done, the parent changes to done.

**4.2.4 Tab Display**

**Display tab’s sections**

- **Display**
- **Translation**
- **Default values for user parameters**
Display

Graphic interface behavior and generic display parameters.

Name of the instance
Change the window’s name. The name appears at the top center of the window.

Max number of projects on today
Limit the display of the “today list”. Items are generally ordered by issue date increasing.

Max items to display in Today lists
Limit the display of items displayed in sections of the Today screen. Items are generally ordered by ascending issue date.

Quick filtering by status
Display one button. Allow to filter on lists the element by status checking boxes. Refresh to make appear on boxe a new state just created on list .

Translation

Choose how the monetary units behave in your area

Currency
Choose your symbol displayed on each monetary box

Currency position for cost display
Symbol sets before or after each monetary box

Default values for user parameters

Default values for user

New interface
Choose between interface v8.6 or the new interface v9.0

Theme colors
The v9.0 interface is composed of two main colors which are declined throughout the application in different hues and saturation to keep the same charter spirit.

Interface main color
Choose the main color that will be applied to the main architectural elements

Interface secondary color
Choose the secondary color that will be applied on the navigation and highlighting elements

Color discs
You have pre-recorded color discs available. One offers the colors of classic ProjeQtOr. Two others are proposals. The fourth will take the colors that you have saved in the global settings for your instances.

They are accelerators to apply your themes.

Default language
Choose among 19 languages / easy come back with translation in target language.

Default theme (only available with version 8.6)
More than 30 themes choices.
First page
Choice of the first visible screen after the connection.

Lock first page
Allows the administrator to select the screen of their choice and block it for users.
They will not see the setting in their connection menu or in user settings > Display

Menu top mode view
You choose how your favorites will be displayed. As text, icons, or both.

Menu left view
The top menu is invisible or not at each connection.
Choose how your principal menu will be display. Text or icons and text.

Tip: Menu v9.0
To show or hide the icons of the new menu, right click on the menu.

Icon size in menu (only available with version 8.6)
Icon size are default : user can overwrite these values.

Display of the upper menu (only available with version 8.6)
The top menu is invisible or not at each connection.

Display of the left menu (only available with version 8.6)
The top menu is invisible or not at each connection.

Create new item on pop-up
You determine if the global creation button will open a pop up or go directly to the screen of the element you want to create.

Display history
• No
• Yes
• Yes with work
• On request trhough specific button

To show or hide the icons of the new menu, right click on the menu.
The button \[\text{button}\] will then be displayed in the menu of the details area of each element.

Editor for rich text
Choose your favorite text editor.

Not applicable value
Choice of the symbol defining the non-applicable values.
On the global view the value of the field that has no applicable value for the given column will display this symbol

Restrict project list
When creating an element, name of the project stays like than the one selected at the selector or on contrary offers choice on global list of projects

Export in XLS or ODS
Choose the format in which you want to export either in native excel format or with the ODS format of OpenDocument.

Displaying notes in discussion mode

By default, the notes are displayed in ascending order of creation. To quickly and easily view the replies to certain notes, this option allows you to display the replies under the corresponding notes with an indentation to the right.

Show only notes on Activity Stream

if so, you will not see the status change and item update.

Not receive own emails

You don’t receive the emails you create.

Order notes ascending in email model

Choice of display of notes in the email template.

If **YES**, you display the notes in ascending order of creation. From the first ID to the last. Some notes containing answers will therefore not necessarily follow the order of display.

If **NO**, You display the notes as they appear on the screen with the answers under the corresponding notes

   In email templates you can call notes in different ways.

   With the codes ${NOTES} and ${NOTESTD}

   ${NOTESTD} allows you to display notes as they are by default.

   ${NOTE} allows you to display notes on a new table model.

   See also: email template

![Fig. 7: Notes displayed by default in emails](image)

   $\{NOTE\}$ allows you to display notes on a new table model.

   See also: email template

---

**4.2. Global Parameters**
List quotations, commands and invoices on client

Display or not the list of financial elements related to the customer on the screen of the latter.

Please note that the parameter also exists on the user side. If the latter is not activated also then the financial elements will not be visible.

enable direct update of test case run

Display or not the list of financial elements related to the customer on the screen of the latter.

### 4.2.5 Tab References

**References tab’s sections**

- Format for reference numbering
- Document reference format
- Bill reference format

**Format for reference numbering**

Sections for format references

Prefix format for reference

Allows to define reference formats for items of element, documents and bills.

Can contain prefix:

- \{PROJ\} for project code,
- \{TYPE\} for type code,
- \{YEAR\} for current year
- \{MONTH\} for current month.

Number of digits for reference number

Indicate the number of digits you want to appear in your reference.

Change reference on type or project change

Change the reference on type change of element will generate missing numbers in reference.
Document reference format

Sections for document format references

Document reference format

Format can contain:

• \{PROJ\} for project code,
• \{TYPE\} for type code,
• \{NUM\} for number as computed for reference,
• \{NAME\} for document name.

You can allow or forbid downloading locked files in this section.

Version reference suffix

Suffix can contain:

• \{VERS\} for version name.

Separator for draft in version name

Choose the sign for the separator of the draft.

Preserve uploaded file name

If yes, the file is downloaded with the name of original file.
If no, the document take the reference formatted name.

Forbid download of locked document

Forbid document download if yes is checked.

Bill reference format

Sections for bill format references

Invoice reference format

Reference format : can contain \{NUME\} for version name.

The \{NUM\} code can only be used for the document.

Number of digit for invoice number

Choice of the number of digits to display in an invoice.

4.2.6 Tab Configuration

References tab’s sections

• Product and component
• Versions


**Product and Component**

This menu contains all the parameters for configuration management

- Display Business features
- Filter on date.
- Display language in Product/Component (Version)
- Enable language.
- Display contexts in Product/Component (Version)
- Enable contexts.
- Display Tenders on Products, Components, Versions
- Display a section to list linked Tenders on products, component, product version and component versions.
- Include sub-products in structure
- Include sub-products in display of product structure (flat or not).

**Versions**

This section allows you to manage more details in the behavior of the elements linked to the versions.

- Display the start and delivery milestones
- Display start and delivery milestones for product/component version and delivery dates in flat structure.
- List of activity on component version
- Display the list of activity.
- Direct access to product / component full list
- When selecting a component, we go directly to the full list (with filter capacity), without going through the pop-up window.
- Automatic format of version name
- Ability to choose a preformatted format for version names.
- Separator between name and number
- Choose the character of the separator for version names.
- Auto subscription to versions
- Subscription automatic to versions or components when you suscribe to product or component.
- Types of copy of Component Version
- You can choose between :
  - Free choice
  - Copy structure from origin version
  - Replace the origin version with new copied one
- Enable Product Versions compatibility management
- Display compatibility section in product version details.
- Display product version on delivery
- Allows to link a delivery to product version.
Sort versions combobox in descending order
Change sort order for versions in combobox to have more recent first (descending on name).
Sort version composition and structure on type
Sort version composition and structure by type ascending and name descending.
Manage component on requirements
Manage component and target component version on requirements.
Manage component on change requests
Manage component and target component version on change requests.
Do not add closed and delivered versions to a project
When adding a product to a project, do not add its closed and delivered versions.
Allow activities on delivered version
Include delivered products versions in target product version list for activities.
Automatically set component version if unique
Automatically set component version if there is only one component version of the selected component
that is linked to the selected product version.

4.2.7 Tab Financial

References tab’s sections

• Input of amounts for expenses
• Input of amounts for incomes
• Automation of financial
• Revenue & work unit management

Input of amounts for expenses
Parameters for choosing the input method for expenditure amounts.

Input mode for amounts
Defined for expenses items if the amounts must be entered without taxes and calculated in with taxes
or vice versa.

Input mode for invoice lines
Defined for expenses items if the total bill lines feed the total with or without taxes. The parameter is
priority if there a bill lines.
Input of amounts for incomes

Parameters for choosing the method of entering income.

Input mode for amounts
Defined for incomes items if the amounts must be entered without taxes and calculated in with taxes or vice versa.

Input mode for invoice lines
Defined for incomes items if the total bill lines feed the total with or without taxes. The parameter is priority if there are bill lines.

Automation of financial

The Deferral of expenses option occurs during the automatic generation of an expense from an offer, order or invoice.

If the expense is linked to an offer, an order AND/OR an invoice, then this is carried over to the related elements. This update is recursive.

If the expense is generated from an invoice, it is reported on the order linked to the invoice and on the offer linked to the order.

Revenue and Work unit management

Parameters used in the unit of work catalog.

Number of complexities
Parameter used to define the default maximum number used in the unit of work catalog.

Copy revenue into validated cost of activities.
Copy revenue into validated cost of activities.
Enable work command.
You link your activities managed by the work units to an order.
This will be decremented by units of work already carried out and invoiced. You can then invoice precisely for the work already done.

4.2.8 Tab Mailing

References tab’s sections

- Emailing
- Mail titles
- Automatic emails grouping
- Test email configuration
**Emailing**

Parameters to allow the application to send emails.

You define the administrator’s email with the possibility of choosing a different address for “from” and “reply to” and the name to display.

You configure the SMTP server and port - the login name and password.

You can also define the sendmail path or the send method.

The maximum size not to be exceeded for sending emails is in bytes by default if you do not fill in the units.

You can use kilobytes (K), megabytes (M) and gigabytes (G) with integer value.

The size must be smaller or equal to php parameter “upload_max_filesize”.

**Tip:** 1K will stand for 1024 bytes.

---

**Mail titles**

<table>
<thead>
<tr>
<th>Mail titles</th>
</tr>
</thead>
<tbody>
<tr>
<td>title of mail for new items</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} #{\text{id}} has been created : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail for modified items</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} #{\text{id}} has been modified : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on status change</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} #{\text{id}} moved to status '${\text{status}}' : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on responsible change</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{responsible}} is now responsible of ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on modified description</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} Description has been modified on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on modified result</td>
</tr>
<tr>
<td>${\text{dbName}} Result has been modified on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on note add</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} New note has been posted on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on note change</td>
</tr>
<tr>
<td>${\text{dbName}} A note has been modified on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on assignment add</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} New assignment has been added on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on assignment change</td>
</tr>
<tr>
<td>${\text{dbName}} An assignment has been modified on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail on attachment add</td>
</tr>
<tr>
<td>${\text{dbName}} New attachment has been posted on ${\text{item}} #{\text{id}} : &quot;${\text{name}}&quot;</td>
</tr>
<tr>
<td>title of mail when sending manual email</td>
</tr>
<tr>
<td>${\text{dbName}} message from ${\text{sender}} #{\text{id}}</td>
</tr>
<tr>
<td>title of mail to user</td>
</tr>
<tr>
<td>${\text{dbName}} message from ${\text{sender}} : Your account information</td>
</tr>
<tr>
<td>body of mail to user</td>
</tr>
<tr>
<td>${\text{verbatim}} Your login is ${\text{login}}. Your password is initialized to ${\text{password}}. You will have to change it on first connection. In case of an issue contact your administrator at ${\text{adminMail}}.</td>
</tr>
<tr>
<td>title of mail to approvers</td>
</tr>
<tr>
<td>${\text{dbName}} message from ${\text{sender}} : You need to approve a document</td>
</tr>
<tr>
<td>body of mail to approvers</td>
</tr>
<tr>
<td>${\text{verbatim}} Please access this document and follow approval process.</td>
</tr>
<tr>
<td>title of email on allocation add</td>
</tr>
<tr>
<td>${\text{dbName}} ${\text{item}} New allocation of resource ${\text{responsible}} has been created on Project ${\text{project}}</td>
</tr>
<tr>
<td>title of email on allocation change</td>
</tr>
<tr>
<td>${\text{dbName}} Allocation of resource ${\text{responsible}} has been changed on Project ${\text{project}}</td>
</tr>
<tr>
<td>title of mail to scheduled reports</td>
</tr>
<tr>
<td>${\text{dbName}} Report ${\text{report}} : ${\text{date}}</td>
</tr>
<tr>
<td>body of mail to scheduled reports</td>
</tr>
<tr>
<td>${\text{verbatim}}</td>
</tr>
</tbody>
</table>

Fig. 9: Mail titles section

Parameters to define title of email depending on event.

See: Automatic emails grouping
It is possible to use special fields to call a function or data of the project.

See: Special Fields

**Automatic emails grouping**

Parameters to define if the email group is active or not.

- **Activate email grouping**
  
  When email grouping is enabled, automatic emails sent within the defined period are grouped into a single email.

For example when the status of an element has been modified several times in less than Xs then you will not receive an email for each change of state.

- **Grouping period (in seconds)**
  
  Defines the period (in seconds) during which if an email is send after another on same item.

  Then emails are grouped into single one.

- **How to treat different formats**
  
  If grouped emails refer to different templates, you can:
  
  - send all messages, one for each template
  - Only send the last message
  - Merge all messages and send a single email

  You’ll can see this email in the email to send screen in the Tools menu.

**Test email configuration**

You can test the settings of your email submissions.

Send email to

Sent a email to check smtp configuration.

**Warning:** This operation saves global parameters.

### 4.2.9 Tab Authentication

**Authentication’s sections**

- *User and password*
- *LDAP Management Parameters*
- *Single Sign On SAML2*
User and password

Fig. 10: Authentication screen

Parameters to manage how the connection behaves

- **default profile on user creation**
  You can choose the default profile and password when you create a new resource/user/contact. This profile can be changed on each project.

- **Password strength**
  You define the difficulty of your password.

- **Password length**
  Password length, if special characters or numeric characters are used.

- **Password min length**
  You define the length of your password.

- **Lock user after wrong tries**
  You can choose to block the user after x connection attempts.

- **Password validity (in days)**
  You can define the validy period of your password. After this period, you will have to renew your password.

- **Allow ‘remember me’**
  You can display or no the check box on the login screen “remember me”.

- **Initialize password on user creation**
  You can initialize password on user creation. The application will define a new password to random value.

- **Require old password on password change**
  You can reset all the password with the multiple update fonction

- **New password must be different from old password**
  ProjeQtOr verify old password on password change.
New password must be different from old password
If you have a regular password change policy, you can set the option to prohibit the same password.

**LDAP Management Parameters**

All the necessary parameters for connecting your projeqtor instances with your corporate LDAP

![LDAP Management Parameters](image)

**Fig. 11: LDAP**

Set the base dn, host, port, version…
Default profile for Ldap users, message on creation new user from Ldap,
Actions on LDAP user creation
Project to allocate automatically…
Single Sign On SAML2

Single sign-on is a method that allows a user to access multiple computer applications (or secure websites) by performing a single authentication.

When connected to the SSO service, the service tells each application that the user is logged on.

This avoids having to connect to applications one by one.

In concrete terms, the site or service to which the user is trying to connect makes a request to the server or the identity provider’s site. This one asks if the user is connected. If so, he transmits the information.

Depending on the protocol used, the two sites exchange keys, signatures and / or other information to verify the identity of the user.

When you want to disconnect from ProjeQtOr with the SSO method, the logout screen gives you several options.

- local disconnection of projetor. I do not leave my SSO session
- Internal reconnection: I reconnect to ProjeQtOr locally. I leave my SSO session. I should identify myself again
- SSO disconnect. I leave my SSO session. I should identify myself again

Parameters

This is an SSO connection via the SAML2 protocol

- Set the Entity ID, the IDP certificate, the single sign on and logout…
- Default profile for users, message on creation new user from SAML,
- And some parameters for users
Fig. 13: Disconnection screen

- Single Sign On through SAML2

SSO SAML Login: No
SSO common name: SSO
Entity ID of the IDP:
Single Sign On Service:
Single Logout Service:
X509 certificate of IDP:
XML attribute for user login name: uid
XML attribute for user email: mail
XML attribute for full name:
IDP is ADFS: No
default profile for SAML users: Project Guest
message on creation new user from SAML:
message on SAML user creation:
Project to allocate automatically:
SP Metadata: Display the Metadata of SP
remark: To sign SAML transactions, put files sp.key (private key) and sp.crt (public certificate) in folder sso/cart of ProjeQtOr

Fig. 14: Global parameters: LDAP
4.2.10 Tab Automation

Authentication’s sections

- Management of automated service (CRON)
- Automatic archiving of history
- Automatic import of files
- Automatic import of replies to emails
- Automatic planning calculation
- Generation of alerts for real work

Management of automated service (CRON)

Parameters for the Cron process.

Defined frequency for these automatic functions

It will manage:

- **Alert generation**: Frequency for recalculation of indicators values.
- **Check alert**: Frequency for client side browser to check if alert has to be displayed.
- **Import**: Automatic import parameters as below.

**Warning**: Cron working directory should be set out of the path web.

Automatic archiving of history

This section allows you to manage the behavior of the history

- Archive history older than (in days)
- Determines how often your history is archived.
- Start time of daily archiving
- Choose the time at which the daily archiving will start.
- Archive all history for idle items
- Choose whether the history of closed items should be archived or not.

Automatic import of files

Automatic import settings for cron processes.

**Warning**: Directory of automated integration files should be set out of the path web.
- Automatic import of files

  directory of automated integration files .. / files / import

  automatic import cron delay (in seconds) 60

  log destination log as file

  mailing list for logs

Fig. 15: Automatic import of files

Automatic import of replies to emails

- Defined parameters for the “Reply to” process

- It will manage connection to IMAP INBOX to retrieve email answers.

  Email input check cron delay (in seconds)

  Delay of -1 deactivates this functionality.

  Email reception

  When you have completed the IMAP settings for receiving emails, you receive your email with a new header. See the image below.

Fig. 16: receiving an email settings

You always find the name of the item that is related to your application. A single click takes you to the item page.
The line in the header tells you where your answer should be positioned to allow you to retrieve the response text in your ProjeQtor instance without the original message.

Signing start identifier

When you have completed the IMAP settings for receiving emails, you receive your email with a new header. See the image below.

The fields allows you to identify the beginning of your signature in order to avoid retrieving the signature in the response.

For example, enter, so that ProjeQtor recognizes that your signature begins with this word. He will not take back everything behind.

Action after processed emails

You can determine what action to perform when receiving the email.

- Mark as read, which is the default
- Removal

![Automatic import of replies to emails](image)

Fig. 17: Global parameter for automatic import for replies email

Note: IMAP host

- Must be an IMAP connection string.
- To connect to GMAIL input box, host must be: {imap.gmail.com:993/imap/ssl}INBOX
- You must set these parameters if you want to use the Not receive his own mails option in the user settings

Automatic planning calculation

Activated or desactivated this feature by simple click

Differential calculation

Project planning is recalculated only for those who need to be. A data or more has been changed into the project so a new calculation is expected.

Complete calculation

All projects planning are recalculated.

Automatic feeding of the real

You automatically fill in the actual work from the scheduled work up to a given date.

The automatic calculation of projects from the day after this date is triggered.
The actual work is automatically entered from the scheduled work until the day before the start of the schedule calculation.

**Warning:** For security, and to avoid overlapping with a manual input of reality, if the resource has reality for a given date, we do not copy the possible planned existing in reality.

For each scheduled job found, if no job exists for the relevant resource on the date of the scheduled job, copies the scheduled job to an actual job.

We will mark the actual work entered automatically (technical zone type label) to distinguish between automatic feeding and manual feeding.

This area will not be processed for screen renderings, but will analyze any unexpected behavior.

**Frequency**

Select the frequency on the calendar by clicking on the button **defined parameters** and choose the schedule, day, month.

**Start date for**
Select when you want to recalculate project(s) according to today's date.
Generation of alerts if real work is not entered

Specific settings for alerts based on a profile.

- An email is sent on the agreed date.
- Click on the button Define Parameters
  - Select the frequency of the calendar with which the emails will be generated and sent to the profile.
- See: Management of automated service (CRON) to set the send frequency.

In addition to the sending frequency, you can refine the generation with several additional options.

  Control input up to
  Select when you want to be controlled: current day, previous day or next days.
  Number of days to control
  Choose how many days will be controled
  Send alert to resource
  Choose how alerts will be sent, Internal alert, email, both or none
  Only incompletes imputation
  The goal is to be able to send alerts on charges only if the entry is incomplete, not if it is greater than
  the capacity of the resource.
  With the option checked, when generating alerts, an entry greater than the capacity of the resource
  does not trigger an alert.

Warning:

- All days of the week, open or off days are taken into account.
- Off days in real work allocation will not send you an alert.

4.2.11 Tab System

Authentication’s sections

- Files and directories
- Translation data
- Security - Message when a try is detected
- Miscellaneous
- PDF export
- SSL connection to database
Files and directories

Definition of directories and other parameters used for Files and documents management.
Fill in the weight and the access paths to the storage of your documents and attached files.

Temporary directory for reports Must be kept in web reach.

Translation data

Parameters to define character sets, their encoding, their behavior ... for saving files on the server.

- Charset to save files on server
  - Keep empty for Linux servers, files names will be stored in UTF8.
  - For windows OS server, define charset as “windows-1252” (for western europe) or similar corresponding to your localization.

- Time zone
- Select your time zone.

- Separator for CSV files
  - Choose the field separator for csv exports.

- Export CSV to UTF-8 format
  - Preserve UTF-8 for exported csv files. If set no, will encode in CP1252 (recommended for windows in English and western Europe Languages).

Security - Message when a try to hack is detected

To secure the solution and avoid Cross Site Scripting type attacks, we have implemented CSRF token.

Configure the email that will be notified if a try to hack security flaw is detected.

Several possibilities of sending are configurable.

Miscellaneous

Settings for the update

- Check for new version
  - Auto check (or not) for existing new version of the tool (only administrator is informed);

PDF export

Basic settings for PDF exports

- Memory limit for PDF generation.
  - Size In MB. Too small can lead to PDF error but too big can crash the server
  - Font for PDF Export.
  - Freesans give great portability for non ANSI characters - Helvetica give smaller PDF files.
SSL connection to database

Allows to set up a secure SSL connection:

- SSL Key
- SSL Certification
- SSL Certificate Authority

Enter patch to corresponding files to enable SSL connection to the database.

**Warning:** Take care that these files must exist and be valid SSL files.
If values are incorrect, the application will not work any more, and you’ll have to manually fix parameters in the database.

### 4.3 Special Fields

Special fields can be used in the title and body mail to be replaced by item values:

- `${dbName}` the display name of the instance
- `${id}` id of the item
- `${item}` the class of the item (for instance “Ticket”)
- `${name}` name of the item
- `${status}` the current status of the item
- `${project}` the name of the project of the item
- `${type}` the type of the item
- `${reference}` the reference of the item
- `${externalReference}` the *external reference* of the item
- `${issuer}` the name of the issuer of the item
- `${responsible}` the name of the responsible for the item
- `${sender}` the name of the sender of email
- `${sponsor}` the name of the project sponsor
- `${projectCode}` the project code
- `${contractCode}` the contact code of project
- `${customer}` Customer of project
- `${url}` the URL for direct access to the item
- `${login}` the user name
- `${password}` the user password
- `${adminMail}` the email of administrator
4.4 Administration Console

Note: The screens described below are restricted to users with administrator profile. Users with other profiles can not access it, whether display or access rights are granted or not.

Administration console allows to execute administration tasks on application.

4.4.1 Background tasks

the CRON

The CRON program starts and stops background jobs that process and periodically check indicators to generate the corresponding alerts, warnings or even automatic imports if necessary.

This program automatically runs scripts, commands, or software at a specified date and time, or a pre-defined cycle.

You can activate or deactivate CRON directly from the info bar. See: The CRON button

The history

Most manipulations and modifications are recorded in the history, such as validated and assigned dates, information on assignments to projects, assignments to activities, durations, but also all personalization information.

The history will not trace the creation and configuration of indicators, connection audits or the entry of work (imputation sheet).

On the other hand, in the case where the entry of the work leads to modifications on elements such as dates, durations... then this information will be well updated.
Background tasks

cron status running

- General cron sleep time = 10 seconds
- Alert generation cron delay = 30 seconds
- Automatic import cron delay = 60 seconds
- Automatic notification generation cron delay = 3600 seconds
- Administration cron check for leave rights earned
- disabled
- Send grouped emails
- Email input

stop

Fig. 20: Background tasks is running in Administration console

Fig. 21: CRON activation button

Fig. 22: Project’s history
4.4.2 Internal alert

Allows to send an internal alert to users. It's a \textit{background task}.

\begin{itemize}
  \item \textbf{Send an internal alert}
\end{itemize}

\begin{center}
\begin{tabular}{|l|l|}
\hline
\textbf{Addressee} & all users \\
\hline
\textbf{Sent date} & 01/14/2022 09:40 \\
\hline
\textbf{Type} & Information \\
\hline
\textbf{Title} & \\
\hline
\textbf{Message} & \\
\hline
\end{tabular}
\end{center}

\textbf{Fig. 23: Internal Alert}

Internal alerts can be sent to users.

You can define a date and time for sending, specific addressees or all users, the type of message that users will receive: information, an alert or a warning …

This can be a good step to warn users before a temporary shutdown of ProjeQtOr for update for example.

An internal alert can be sent by the administrator or by monitoring indicators.

\begin{itemize}
  \item By the administrator
    The administrator can send internal alert by administration console.
    The message will be received by user via message pop-up.
  \item Monitoring indicators
    Monitoring indicators send only warning and alert message.
    The message contains information that explains the alert:
    \begin{itemize}
      \item Item id and type.
      \item Indicator description.
      \item Target value.
      \item Alert or warning value.
    \end{itemize}
    The indicators are defined in \textit{Indicators screen}.
\end{itemize}

4.4.3 Manage connections

Allows to force disconnection of active users and close the application for new connections.

\begin{itemize}
  \item Disconnect all users
    The button \textit{Disconnect all users} allows to disconnect all connected users except your own connection.
    The application status is displayed below.
    Disconnection will be effective for each user when his browser will check for alerts to be displayed.
    The delay for the effective disconnection of users will depend on the parameter “delay (in second) to check alerts” in \textit{Global parameters screen}.
\end{itemize}

Open/Close application
• The button Open/Close application
• Allows to open and close application.
• When the application is closed the message below will appear on login screen.

4.4.4 Consistency check

Consistency check
• on the WBS sequence search for duplicates, sequence holes, incorrect order
• on the presence of one and only one line of “PlanningElement” for the planifiable elements
• on the consolidation of ticket work
• on consolidation of work on activities
• on assignments
• This feature available automatically corrects detected issues

4.4.5 Maintenance of Data

The administrator has the possibility to:
• Close and delete sent emails and alerts.
• Delete history of connections.
• Updating references for any kind of element.

You can automate these cleanings by activating them using the corresponding buttons.
Management of Data

- **Close emails**
  - Sent since more than: 7 days
  - Close, activate

- **Delete emails**
  - Sent since more than: 30 days
  - Delete, activate

- **Close alerts**
  - Sent since more than: 7 days
  - Close, activate

- **Delete alerts**
  - Sent since more than: 30 days
  - Delete, activate

- **Delete notifications**
  - Sent since more than: 30 days
  - Delete, activate

- **Delete connection logs**
  - Closed since more than: 30 days
  - Delete, activate

- **Update reference for**
  - All
  - Update

Fig. 26: Maintenance of data
4.4.6 Log files maintenance

Fig. 27: Log files maintenance

The administrator has the possibility to choose the level of the log files among debug, trace, script and errors.

- delete files on a given number of days.
- Show the list of logs
- Show the last logs list.

4.5 Module Management

The Module Management allows to choose the module(s) that will appear in the interface. This enables or disables a consistent group of features.

This screen is then accessible via a dedicated menu in the Access Right

The menu at the top of the page allows you to display all the modules or to display the modules corresponding to a part of the scope of the project management

When you have selected one of these menus, the modules are displayed below.

Click on a module to display its description, as well as the list of screens that will be activated or deactivated.

Disabling some modules will also hide reports and all related parameters.

Click on the checkboxes to enable or disable the module.

Modules and sub-modules list

- **Planning**
  - Meetings
  - Target milestone
  - Technical progress
  - Planning poker

- **Ticketing**

- **Follow-up**
  - Time tracking
  - Todo list
### Log files list

<table>
<thead>
<tr>
<th>name</th>
<th>date</th>
<th>size</th>
</tr>
</thead>
<tbody>
<tr>
<td>projector_2021114.log</td>
<td>less than half an hour ago</td>
<td>1.6 KB</td>
</tr>
<tr>
<td>projector_2021113.log</td>
<td>yesterday at 23:02</td>
<td>6.3 KB</td>
</tr>
<tr>
<td>projector_2021112.log</td>
<td>01/12/2021 18:59</td>
<td>77 B</td>
</tr>
<tr>
<td>projector_2021111.log</td>
<td>01/11/2021 15:30</td>
<td>1.2 KB</td>
</tr>
<tr>
<td>projector_20210108.log</td>
<td>01/08/2021 18:57</td>
<td>3.1 KB</td>
</tr>
<tr>
<td>projector_20210107.log</td>
<td>01/07/2021 19:27</td>
<td>647 B</td>
</tr>
<tr>
<td>projector_20210106.log</td>
<td>01/06/2021 17:32</td>
<td>283.3 KB</td>
</tr>
<tr>
<td>projector_20210104.log</td>
<td>01/04/2021 11:08</td>
<td>246 B</td>
</tr>
<tr>
<td>projector_20210103.log</td>
<td>12/18/2020 14:30</td>
<td>510.7 KB</td>
</tr>
<tr>
<td>projector_20210102.log</td>
<td>12/17/2020 23:03</td>
<td>444.5 KB</td>
</tr>
<tr>
<td>projector_20210101.log</td>
<td>12/16/2020 18:27</td>
<td>68.8 KB</td>
</tr>
<tr>
<td>projector_20210115.log</td>
<td>12/15/2020 17:30</td>
<td>327.5 KB</td>
</tr>
<tr>
<td>projector_20210114.log</td>
<td>12/14/2020 23:56</td>
<td>696.7 KB</td>
</tr>
<tr>
<td>projector_20210113.log</td>
<td>12/11/2020 17:01</td>
<td>649.1 KB</td>
</tr>
<tr>
<td>projector_20210112.log</td>
<td>12/10/2020 17:39</td>
<td>205.2 KB</td>
</tr>
<tr>
<td>projector_20210111.log</td>
<td>12/09/2020 21:43</td>
<td>349.8 KB</td>
</tr>
<tr>
<td>projector_20210108.log</td>
<td>12/08/2020 17:07</td>
<td>5.8 KB</td>
</tr>
<tr>
<td>projector_20210107.log</td>
<td>12/07/2020 19:39</td>
<td>36.5 KB</td>
</tr>
<tr>
<td>projector_20210106.log</td>
<td>12/04/2020 17:54</td>
<td>2.6 KB</td>
</tr>
<tr>
<td>projector_20210105.log</td>
<td>12/02/2020 09:55</td>
<td>1.1 KB</td>
</tr>
<tr>
<td>projector_20210104.log</td>
<td>12/01/2020 16:44</td>
<td>16.2 KB</td>
</tr>
<tr>
<td>projector_20210130.log</td>
<td>11/30/2020 19:28</td>
<td>9.5 KB</td>
</tr>
<tr>
<td>projector_20210129.log</td>
<td>11/27/2020 17:27</td>
<td>4.1 KB</td>
</tr>
<tr>
<td>projector_20210128.log</td>
<td>11/26/2020 17:15</td>
<td>21.5 KB</td>
</tr>
<tr>
<td>projector_20210127.log</td>
<td>11/25/2020 17:23</td>
<td>13.8 KB</td>
</tr>
<tr>
<td>projector_20210126.log</td>
<td>11/24/2020 16:48</td>
<td>1.9 KB</td>
</tr>
<tr>
<td>projector_20210125.log</td>
<td>11/23/2020 18:21</td>
<td>12.8 KB</td>
</tr>
<tr>
<td>projector_20210124.log</td>
<td>11/17/2020 15:53</td>
<td>7.8 KB</td>
</tr>
<tr>
<td>projector_20210116.log</td>
<td>11/16/2020 20:41</td>
<td>155.7 KB</td>
</tr>
<tr>
<td>projector_20210113.log</td>
<td>11/13/2020 17:31</td>
<td>4.8 KB</td>
</tr>
<tr>
<td>projector_20210112.log</td>
<td>11/12/2020 14:03</td>
<td>318.2 KB</td>
</tr>
<tr>
<td>projector_20210110.log</td>
<td>11/10/2020 17:08</td>
<td>1.9 KB</td>
</tr>
<tr>
<td>projector_20210109.log</td>
<td>11/09/2020 17:49</td>
<td>13.7 KB</td>
</tr>
<tr>
<td>projector_20210107.log</td>
<td>11/07/2020 00:37</td>
<td>77 B</td>
</tr>
<tr>
<td>projector_20210106.log</td>
<td>11/06/2020 11:58</td>
<td>1.3 KB</td>
</tr>
<tr>
<td>projector_20210105.log</td>
<td>11/05/2020 15:19</td>
<td>576 B</td>
</tr>
<tr>
<td>projector_20210103.log</td>
<td>11/03/2020 18:14</td>
<td>653 B</td>
</tr>
<tr>
<td>projector_20210102.log</td>
<td>11/02/2020 22:51</td>
<td>1.9 KB</td>
</tr>
<tr>
<td>projector_20210101.log</td>
<td>10/31/2020 19:08</td>
<td>179.4 KB</td>
</tr>
</tbody>
</table>

Fig. 28: Log files list

![Module management screen](image)

Fig. 29: Module management screen

### 4.5. Module Management
– Checklist
– Voting

• Financial
  – Expenses
  – Incomes
  – Financial situations
  – Revenue management
  – Tokens on tickets

• Steering
  – Asset management
  – Risks
  – Requirements
  – Mail
  – Project analysis

• Product configuration
• Translation request

• Human ressource
  – Leaves management
  – Skill management

• Documents
• Organizations
  – Budgets on the organizations

• Cloned environments
• Activity stream
• Notifications.

Note: Each module can be installed independently.

4.6 Access Rights

This section allows the fine management of the rights as well as the management of the modules
4.6.1 Profiles

The profile is a group of rights. Each with specific access rights to the database. Thus, each user is linked to a profile which defines the data that he can see and possibly manage. See also: Concept

![Profiles screen](image)

**Value of Field “Name”**

- The value of field “Name” is not the name displayed, but it is a code in the translation table.
- The value of field “Name” must be a significant name and must not contain spaces or special characters.
- The name displayed at right of the field is the translated name.
- when the new profile is created, it appears in the list of existing profiles in the list box.
- It remains between square brackets because it does not exist in Translatable name.

**Tip:** Ideally, the value of the field should start with “profile” to be easily identified in the translation table.

The restriction zone offers two types of restriction:

- By type based on ProjeQtOr elements (actions, activities, invoices, catalog …)
- By product versions

More details: Restriction types
Table 1: Required Field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the profile.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the profile.</td>
</tr>
<tr>
<td>Profile code</td>
<td>A code that may be internally used when generating emails and alerts.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that profile is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the profile.</td>
</tr>
</tbody>
</table>

Field Profile code

- **ADM**: will designate administrator.
- **PL**: will designate project leader.
4.6.2 Access to forms

This table is used to define the access to the selected screen for each profile. Users belonging to one profile can see the corresponding screen if authorized or not.

- Click on checkbox to permit or revoke access to the screen for a profile.
- Click on + to open all the sections
- CLick on − to closed all the sections

![Access to forms](image)

Fig. 32: Access to forms screen

4.6.3 Access modes

The access mode defines a combination of rights to Created, Read, Update or Delete items. It's the CRUD RIGHTS

Each access is defined as scope of visible and/or updatable, that can be, by kind of elements.

Project dependant

By default, ProjeQtOr offers 10 different access modes.

Each access defines the visibility that can be applied by type of elements dependent on a project (activity, ticket, action, ...).

You can choose from several levels of visibility for each CRUD entitlement.

- **No element**: No element is visible and updatable.
- **Own elements**: Only the elements created by the user.
- **Elements he is responsible for**: Only the elements the user is responsible for.
• **Elements of own project**: Only the elements of the projects the user/resource is allocated to.

• **All elements on all projects**: All elements, whatever the project.

### Value of Field “Name”

- The value of field “Name” is not the name displayed, but it is a code in the translation table.
- The value of field “Name” must be a significant name and must not contain spaces or special characters.
- The name displayed at right of the field is the translated name.
- when the new profile is created, it appears in the list of existing profiles in the list box.
- It remains between square brackets because it does not exist in *translatable name*.

### Tip

Ideally, the value of the field should start with “accessProfile” to be easily identified in the translation table.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Id</strong></td>
<td>Unique Id for the access mode.</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Name of the access mode.</td>
</tr>
<tr>
<td><strong>Read rights</strong></td>
<td>Scope of visible items</td>
</tr>
<tr>
<td><strong>Create rights</strong></td>
<td>Scope of possibility to create items.</td>
</tr>
<tr>
<td><strong>Update rights</strong></td>
<td>Scope of updatable items.</td>
</tr>
<tr>
<td><strong>Delete rights</strong></td>
<td>Scope of deletable items.</td>
</tr>
<tr>
<td><strong>Sort order</strong></td>
<td>Number to define order of display in lists</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Flag to indicate that access mode is archived.</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Complete description of the access mode.</td>
</tr>
</tbody>
</table>

### Not project dependant

The non-dependent elements of a project, such as organizations, parameters, lists of values, tools or even controls and automatisms can also be set with CRUD rights.

These elements must be visible. So the reading right is granted on a basic basis.

ProjeQtOr offers 5 different access modes where you can define creation, update and deletion rights.

- **Yes**: allows the right to …
- **No**: does not allow the right to …
- **Own elements**: Only the elements created by the user.
- **Elements he is responsible for**: Only the elements the user is responsible for.

You can then define a mode corresponding to the visibility rights that you wish to grant on each profile in the access to data not dependent on the project.
4.6.4 Access to data

This screen allows to set element access mode for each profile. Allows to define scope of visibility and/or updating of data in elements for users and resources.

- Click on [+] to open all the sections
- Click on [-] to closed all the sections

Project dependant

This screen is only for the elements reliant on a project.
For each element, selected the access mode granted to a profile.

Not project dependant

This screen allows to set for each profile, elements access rights. Allows to grant access rights (read only or write) to users, to data on specific elements. This screen is only for the elements not reliant on a project.
For each element, select the access rights granted to a profile.

Some features do not have a manager or are not linked specifically to a user profile, like messages, tools or even environmental parameters.

Certain access modes are therefore not offered in the drop-down lists on certain elements of this screen.
4.6.5 Access to reports

This screen allows to define report access for each profile. Users belonging to a profile can see the corresponding report in the report list. Reports are grouped by report categories

- Click on checkbox to permit or revoke access to the report for a profile.
- Click on + to open all the sections
- Click on - to closed all the sections

4.6.6 Document rights per directory

You can define the access rights to documents according to the profile at each level of the document directory tree. By default, all values are initialized for each existing directory from the existing values in the “Project-dependent access to data” rights screen.

4.6.7 Specific access

This screen groups specific functionalities options. Users belonging to a profile can have access to the application specific functions. Depending on options of functionality, allows to grant access rights, to define data visibility or to enable or disable option.

For each option, select the access granted to a profile.

Access to resource data

This section allows to:

- Defines who will be able to see and update “real work” for other users.
- Defines who can validate weekly work for resource.
- Defines who have access on diary for resources.
- Defines who, as a resource, can subscribe to survey for users.
- Defines who have access on report for resources.

Note: Validate real work: in most cases, it is devoted to project leader.

Work and Cost visibility

- This section defines for each profile the scope of visibility of work and cost data.

Assignment management

- This section defines the visibility and the possibility to edit assignments (on activities or else).
Display specific buttons

- This section defines whether some button, checklist, job list will be displayed or not (if defined).

  **Display of combo detail button**
  - This option defines for each profile whether the button will be displayed or not, facing every combo list box.
  - Through this button, it is possible to select an item and create a new item.
  - This button may also be hidden depending on access rights (if the user has no read access to corresponding elements).

**Multiple update**
- Defines the possibility or not to change one or more criteria for one or more selected rows at a time

**Planning access rights**

- This section defines access for each profile to planning functionality.

**Monthly consolidation of projects**

- This section defines the right for each profile if it can validate and / or block the allocations of the resources of a project for a defined month.

**Unlock items**

- This section defines for each profile the ability to unlock any document or requirement.
- Otherwise, each user can only unlock the documents and requirements locked by himself.

**Reports**

- This section defines for each profile the ability to change the resource parameter in reports.

**Financial**

- This section defines for each profile the possibility of modifying the financial situations or of being able to automatically generate a project expense.

**Specific update rights**

- Defines for each profile the ability to manage all notes.
- Defines for each profile the ability to delete attached files.
- Defines for each profile the ability to force delete items.
- Defines for each profile the ability to force delete items with real work.
- Defines for each profile the ability to force close items.
- Defines for each profile the ability to update creation information in the header of the details area.
- Defines for each profile the ability to mention or not the components on a ticket.
- Defines for each profile the ability to update the left work on assignment section and timesheet.
- Defines for each profile the ability to work on tickets
- Defines for each profile the ability to impose a layout on other users

**Limit visibility to resources**

- By profil, allows to restrict or not the number of resources displayed, by organizations or own team, on resource lists.
- By profil, allows to restrict or not the number of resources displayed, by organizations or own team, on resource screen.

**Limit visibility to organizations**

- By profil, allows to restrict or not the number of organizations displayed, by organizations or own organization, on organization lists.
- By profil, allows to restrict or not the number of organizations displayed, by organizations or own organization, on organization screen.
4.6.8 Translatable name

For profiles and access modes, the value of field “Name” is translatable. The field “Name” in screens Profiles and Access modes is not the name displayed, but it is a code in the translation table. The name displayed at right of the field is the translated name. The translated name depends on user language selected in User parameters screen.

Note: If translated name is displayed between square brackets [ ], then the value of field “Name” is not found in the translation table.

Translation table files

• In ProjeQtOr, a translation table file is defined for each available language.
• The files are named “lang.js” and are localized in a directory named with ISO language code.
  – For instance: ../tool/i18n/nls/fr/lang.js.

How to modify the translation file?

• You can edit file “lang.js” to add translation of new value or to modify the existing value translation.
• Or, you can download Excel file named “lang.xls”, available on ProjeQtOr site. You can modify the translation tables of all languages and produce files “lang.js”.

4.7 List of Types
Each element of ProjeQtOr can be typed at your convenience according to your profession or your field of activity. Each type is presented the same. A very simple description section, with different fields depending on the element, and a behavior section that will condition your future actions according to the parameters entered.

4.7.1 Behavior section

This section is common to several element types.
Allows to determine some GUI behavior, according to element types.

Description or Comments

• Box checked indicates the field Description is mandatory.

Responsible

• Box checked indicates the field Responsible is mandatory when the status to treatment of the item is “In progress”.

Result

• Box checked indicates the field Result is mandatory when the status to treatment of the item is “done”.

Flag status

• You can lock the macro status: In progress - Done - Closed - Canceled
• Those fields allow to determine whether the checkbox fields concerned are locked or not.
• If the box is checked then you will only be able to modify the macro status thanks to the workflow statuses.

No left work on done

• The plannable elements cannot be passed to status done if there is still left work.

Project

Lead Project

• The definition is made by the project type, you define that certain types of projects can not have activities, only subprojects or milestones.

Activity

activity on real time

• Possibility of managing activities on real time.
• See: Global parameters | Assignement section
No left work on done

- The activity cannot be passed to status done if there is still left work.

Todo list

- Checked box prohibits status change to completed if not all to-do list items are set to “completed”

Ticket

Resolution

- Box checked indicates the field Resolution is mandatory when the status to treatment of an item is done.

Lock solved

- Box checked indicates the field Solved is read only.
- The value of field must come from the field “Solved” defined in the selected resolution.

Todo list

- Checked box prohibits status change to completed if not all to-do list items are set to “completed”

Translation

Translation Request type

initial status of items

The initial state of the lines corresponds to the state of the request which will result in the automatic generation of the translation lines according to the languages recorded on your product or component version.

translation delay (nb days)

The translation deadline (in days) determines the deadline for the planned delivery date which will be calculated automatically from the creation of the request. This period is expressed in calendar duration and does not take into account non-working days.

Translation item type

status of generation of item

Corresponds to the state in which the rows will be created.
4.7.2 Types restrictions

Allows to limit values displayed in the list of values for each element type.
Restrictions can be defined for a project, a project type or a profile.

**Note:** Types restrictions section on Project screen

To display types restrictions section: Go to Global parameter > Tab Activity > Controls and Restrictions Section “allow type restriction on project” must be set to “Yes”. Possibility to define more restrictions to a project against restrictions defined at the project type level.

**Type restriction management**

![Types restrictions](image)

Fig. 34: Restrict types section

- Click on Restrict types button to display the dialog box.
- For each element type, select values that will be in the list of values displayed.
- By default, if no type of element is selected, all the values of the line will be displayed on each screen that will be affected.

**Displays element type names where a restriction is applied**

Reminder: It means too, no restriction for remaining element types on each dedicated screen.
### 4.7. List of Types

<table>
<thead>
<tr>
<th>Category</th>
<th>Types</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actions</strong></td>
<td>Project, Customer, Internal</td>
</tr>
<tr>
<td><strong>Activities</strong></td>
<td>Task, Development, Evolution, Management, Phase</td>
</tr>
<tr>
<td><strong>Budget</strong></td>
<td>Initial, Additional</td>
</tr>
<tr>
<td><strong>Catalogs</strong></td>
<td>Product, Service</td>
</tr>
<tr>
<td><strong>Change requests</strong></td>
<td>Recurring problem, Functional improvement, Technical improvement, Regulatory constraint, Process and quality</td>
</tr>
<tr>
<td><strong>Client contract</strong></td>
<td>Management assistance, Hosting, Technical improvement, Maintenance &amp; support</td>
</tr>
<tr>
<td><strong>Client invoices</strong></td>
<td>Partial bill, Final bill, Complete bill</td>
</tr>
<tr>
<td><strong>Component Version</strong></td>
<td>Major Version, Minor Version, Patch</td>
</tr>
<tr>
<td><strong>Components</strong></td>
<td>Specific, On the shelf</td>
</tr>
<tr>
<td><strong>Decisions</strong></td>
<td>Functional, Operational, Contractual, Strategic</td>
</tr>
<tr>
<td><strong>Deliverable</strong></td>
<td>Document, Software, Hardware</td>
</tr>
<tr>
<td><strong>Delivery</strong></td>
<td>Document, Software, Hardware</td>
</tr>
<tr>
<td><strong>Documents</strong></td>
<td>Contract, Need expression, Test Plan, Management, Specification, Meeting review, Follow-up, Financial, Detail conception</td>
</tr>
<tr>
<td><strong>Incoming</strong></td>
<td>Document, Software, Hardware</td>
</tr>
<tr>
<td><strong>Issues</strong></td>
<td>Technical issue, Process non conformity, Quality non conformity, Delay non respect</td>
</tr>
<tr>
<td><strong>Meetings</strong></td>
<td>Steering Committee, Progress Meeting, Team meeting</td>
</tr>
<tr>
<td><strong>Milestones</strong></td>
<td>Deliverable, Incoming, Key date</td>
</tr>
<tr>
<td><strong>Notifications</strong></td>
<td>ALERT, WARNING, INFO</td>
</tr>
<tr>
<td><strong>Opportunities</strong></td>
<td>Contractual, Operational, Technical</td>
</tr>
<tr>
<td><strong>Organizations</strong></td>
<td>Department, Unit, Location</td>
</tr>
<tr>
<td><strong>Products</strong></td>
<td>Software, Service</td>
</tr>
</tbody>
</table>
4.7.3 Description section
Actions types

Action type is a way to define common behavior on group of actions.

Other sections

- Behavior

Table 3: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Activities types

Activity type is a way to define common behavior on group of activities.

Other sections

- Behavior

Table 4: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Default planning mode</td>
<td>Default planning mode for type.</td>
</tr>
<tr>
<td>Priority</td>
<td>Defined the priority of the activity type. It will be automatically applied in the activity management section.</td>
</tr>
<tr>
<td>Color</td>
<td>Defined the default color for this activity type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Asset types

Question type is a way to define common behavior on group of questions.

Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Budget types

Budget types are a way to define the best budget for each project/activity.
Estimated budget, cash, investment, sale …

Other sections

- Behavior

Table 6: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Call for tender types

The types of calls for tenders make it possible to define the best procedure for launching calls with respect to the organization of your company:

- the open, restricted tender, with minimum capacity requirements or pre-selection;

---

### Other sections

- *Behavior*

---

**Table 7: Required fields**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
ProjeQtOr User guide, Release 11.1

Catalog types

Catalog types allow you to define what type of item you produce or sell to your customers: products, services...

Other sections

• Behavior

Table 8: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Change requests types

The change request type is a way to define common behavior on a group of particular requests. Several types are pre recorded: recurring problems, technical and functional improvement, regulatory constraint and process and quality.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Client Bills types

Bill type is a way to define common behavior on group of bills.

Other sections

• Behavior

Table 10: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Client contract types

Client contract types are a way of defining the type of contract with a client. Types of contract are already pre-registered: management assistance, hosting, technical improvement or maintenance and support

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

4.7. List of Types
Client order types

Client order types allow you to define common order behaviors, such as billing.

Other sections

- Behavior

Table 12: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Client payments types

customer payment type defines how the customer will pay the bill

Other sections

- Behavior

Table 13: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

Client quotations types

Customer quote types allow you to define common behaviors on a quote group, such as the type of billing that will be applied

Other sections

- Behavior

Table 14: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Components types

Component type is a way to define common behavior to a group of components.

Other sections

- Behavior

Table 15: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
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<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Component version types

Component version type is a way to define common behavior to group of Component version.

### Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
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<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
**Contexts types**

Context types are used to define the environmental context to describe ticket or test case. Only three context types exist, corresponding to the three selectable fields: Environment, OS and Browser. You can only rename the types, not add nor remove any.

**Note:**
- Only the name of the context types can be changed.
- No new context type can be added.
- No context type can be deleted.

**Other sections**

- *Behavior*

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
</tbody>
</table>
Customers types

Customer type is a way to define different kinds of customers (prospects or clients).

Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Decisions types

Decision type is a way to define common behavior on group of decisions.

Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Documents types

Document type is a way to define common behavior on group of documents.

Other sections

• Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Expenses details types

Expense detail type is a way to define common behavior and calculation mode on group of expense details.

Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Value / unit</td>
<td>Define calculation mode for the detail type.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

**Field Value / unit**

- If unit is set and not value, this line will be imputable.
- If both unit and value are set, the line will be read only.
- Result cost will be the multiplication between each of the three non empty line values.

Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual expense</td>
<td>Details type of individual expense.</td>
</tr>
<tr>
<td>Project expense</td>
<td>Details type of project expense.</td>
</tr>
</tbody>
</table>

Individual expenses types

Individual expense type is a way to define common behavior on group of individual expense.

Other sections

- **Behavior**
Table 22: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Issues types

Issue type is a way to define common behavior on group of issues.

Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Meetings types

Meeting type is a way to define common behavior on group of meetings.

Note: Meeting type is also used for periodic meetings definition.

Other sections

- Behavior

Table 24: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Messages types

Message type is a way to define common behavior on group of messages (appearing on today screen).

Other sections

• Behavior

Table 25: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Color</td>
<td>Display color for messages of this type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Milestones types

Milestone type is a way to define common behavior on group of milestones.

Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Default planning mode</td>
<td>Default planning mode for type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Opportunities types

Opportunity type is a way to define common behavior on group of opportunities.

Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Order to Provider types

Vendor order types categorize the subject of the request: service or product.

### Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
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</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

Organization types

The type of organization allows you to define a common behavior on organizations. Management of *Organizations* allows to edit the structure of the company in the frame of organizations.

### Other sections

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the project type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Code of the project type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Payments to provider types

Payment type is a way to define common behavior on group of payments.

Other sections

• Behavior

Table 30: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Planning poker session type

Planning poker session type is a way to define common behavior on group of planning poker.

Other sections

- Behavior

Table 31: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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<tr>
<td>Name</td>
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</tr>
<tr>
<td>Workflow</td>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Products types

Product type is a way to define common behavior to group of product.

Other sections

• Behavior

Table 32: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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<tr>
<td>Code</td>
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</tr>
<tr>
<td>Workflow</td>
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</tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

Product version types

Product version type is a way to define common behavior to group of Product version.

Other sections

• Behavior

Table 33: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
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</table>
Project expenses types

Project expense type is a way to define common behavior on group of project expense.

Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Workflow</td>
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</tr>
<tr>
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<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

Projects types

Project type is a way to define common behavior on group of projects.

Code of the project type

Some important behavior will depend on code of the project type.

- **OPE**: Operational project
  - Manual billed
  - Forfait
  - Régie
  - Régie forfaitisée
  - Interné
- **ADM**: Administrative project
  - Administratif
  - Modèle
  - Proposale

OPE : Operational project

Most common project to follow activity.

All new types are created with OPE code.

ADM : Administrative project

Type of project to follow non productive work: holidays, sickness, training, …

4.7. List of Types 159
Every resource will be able to enter real work on these projects, without having to be allocated to the project, nor assigned to project activities.
Assignments to all project task will be automatically created for users to enter real work.
These projects are not visible on Gantt type screens.
Some sections and fields are not visible or do not work on administrative projects like Paused, Fix planning or the minimum threshold.

**TMP : Template project**

These projects will not be used to follow some work.
They are just designed to define templates, to be copied as operational projects.
Any project leader (profile) can copy such projects, without having to be allocated to them.

**PRP : Proposal project**

These projects will not be used to follow some work.
This type of project makes it possible to define whether a project is strategically interesting to carry out.

**Other sections**

- **Behavior**
- **Types of restrictions**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the project type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
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<tr>
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</tr>
<tr>
<td>Billing type</td>
<td>Will define billing behavior (see: Incomes).</td>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Provider bill types

There is a wide variety of invoice types. Each one is used in specific circumstances and requires the respect of protocols concerning their constitution and their emission.

You can create as many invoice types as you need.

Other sections

• Behavior

Table 36: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Name</td>
<td>Name of the type.</td>
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<tr>
<td>Workflow</td>
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<tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Provider tender types

Quote types allow you to organize and categorize the different offers received by your suppliers.

Other sections

• Behavior

Table 37: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Code</td>
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</tr>
<tr>
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<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>


Providers types

Provider type is a way to define different kinds of providers.

Other sections

- Behavior

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Questions types

Question type is a way to define common behavior on group of questions.

Other sections

- Behavior

Table 39: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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</table>
Requirements types

Requirement type is a way to define common behavior on group of requirements.

Other sections

• Behavior

Table 40: Required fields

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<th>Field</th>
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<tr>
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</tr>
<tr>
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<tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Risks types

Risk type is a way to define common behavior on group of risks.

Other sections

- Behavior

<table>
<thead>
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<th>Field</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
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</tr>
<tr>
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<td>Number to define order of display in lists.</td>
</tr>
<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Supplier contract types

Supplier contract types are a way of defining the type of contract with a supplier.

Types of contract are already pre-registered: management assistance, hosting, technical improvement or Maintenance and support

Other sections

- Behavior

Table 42: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
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</tr>
<tr>
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<td>Description</td>
<td>Description of the type.</td>
</tr>
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</table>
Test cases types

Test case type is a way to define common behavior on group of test cases.

Other sections

• Behavior

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<th>Field</th>
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<td>Code</td>
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</tr>
<tr>
<td>Workflow</td>
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Test sessions types

Test session type is a way to define common behavior on group of test sessions.

Other sections

• Behavior

Table 44: Required fields

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<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
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<tr>
<td>Default planning mode</td>
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<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
**Tickets types**

Ticket type is a way to define common behavior on group of tickets.

**Other sections**

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<tr>
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<td>Box checked indicates the type is archived.</td>
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<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

**Translation item types**

Translation lines also have the possibility of being typed. You can more easily compartmentalize your requests. Assign a different workflow and behavior for each type of line.

**Other sections**

- **Behavior**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Code</td>
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<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
Translation request types

You define the types of translation that you will use in your business. This allows you to apply a different workflow and behavior for each type.

Other sections

• **Behavior**

Table 47: Required fields

<table>
<thead>
<tr>
<th>Field</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
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<tr>
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<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>
4.8 List of Values

Each screen in List of values allows to define your own values. Then you will be able to select them in corresponding screens.

Note:

- By default, some lists are not visible on their corresponding screen like Languages in Product and Component screen.
- To use them you must enable their parameter in global parameters.

4.8.1 Budget orientation

The orientation of the budget

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
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<tr>
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<td>Number to define order of display in lists.</td>
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<td>Flag to indicate this value is archived.</td>
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</tbody>
</table>

4.8.2 Budget Category

The orientation of the budget

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>
4.8.3 Categories of project

Define your categories of project and you are able to select one in Project screen.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
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<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.4 Criticalities

The criticality is the importance of an element to its context.

**Risk and Opportunity**

The criticality designs the level of impact the risk or opportunity may have to the project.

**Ticket**

The criticality is the estimated impact that the subject of the ticket may have for the product.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
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</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of criticality.</td>
</tr>
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<td>Color to display the criticality in element lists.</td>
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<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.5 Deliverable status

Define your deliverable status list and select it in Deliverable screen.
4.8.6 Deliverable weights

Define your deliverable weights list and select it in Deliverable screen. That is useful to calculate weighting between different parameters in Reports->KPIs->KPI-deliverable-for-project screen.

4.8.7 Delivery modes

The mode of delivery.

• Add dates on deliveries to follow dates : initial, planned, real, validation
4.8.8 Efficiencies

The efficiency measures the result of an action.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the efficiency in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
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</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.9 Feasibilities

The feasibility defines the first analysis of implementation of a requirement.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>Name of this status.</td>
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<tr>
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<tr>
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<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this status is archived.</td>
</tr>
</tbody>
</table>

4.8.10 Functions

The function defines the generic competency of a resource which can be linked to a cost.

The costs entered here will not be taken into account directly in the functions table on the resources screen.

These are costs which are proposed by default but which can be modified when creating the function on the resources screen.

To modify the functions and costs on the resource screen you must go through the update resource cost function.


Fig. 35: Functions screen

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Default cost</td>
<td>Default cost of the function. Typically the cost to the business.</td>
</tr>
<tr>
<td>default external cost</td>
<td>Default external cost of the function. Typically the cost to the outsourced resource.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of this value.</td>
</tr>
</tbody>
</table>

**Internal and external cost**

You can define two costs per function, one internal (existing) and one external (new).

When defining the cost of a resource, the proposed default cost should depend on whether the resource is external or internal:

If “is outsourced” is checked for the resource, the external cost will be assigned. Otherwise, it will be the internal cost.
Update resource cost

You can roll up current costs to all resources from the cost of the function taking into account the external or internal criterion of the resource.

Click the **Update Resource Costs** button

---

**Fig. 36: Update resource cost**

You have 3 options to perform this treatment. This will determine how assignments and activity costs will be updated.

**Add new cost from date**

This option allows you to create a new cost for the resources whose value starts on the date entered.

- The cost of assigned activities remains unchanged.
- The real cost of activities takes into account the new cost from the date you entered
- The left cost of activities takes the new cost

**Replace existing cost**

This option allows you to simply replace the current cost of the resource (the last cost if this amount has varied over time)

- The cost of assigned activities remains unchanged
- The real cost of activities takes into account the new cost
- The left cost of activities takes the new cost

**Replace initial assignment cost**

This option allows you to replace the current cost of the resource (the last cost if this amount has varied over time) while forcing the Initial assignment cost (for unclosed assignments) to this new cost

- The cost of assigned activities takes the new cost
- The real cost of activities takes the new cost
- The left cost of activities takes the new cost

---

4.8. List of Values 177
**Note:** In order to keep the initial functioning of the solution, during the migration, the external cost will be initialized with the same value as the internal cost.

Similarly, when entering the internal cost, the external cost will be initialized to the same value if it is empty. In order to allow the entry of an external cost at zero, this will only be done when entering it on the screen (no systematic update on the server side).

### 4.8.11 Health status

The health status is a manual indicator for the health of a project. It defines in a visual way the global health of the project. It is displayed on Today screen, for each project, as a Red / Amber / Green traffic light.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the health status in element lists and on today screen.</td>
</tr>
<tr>
<td>Icon</td>
<td>Icon that can be displayed for this health status.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

**Field Icon**

- If no icon is defined, color is used.
- You can define your own icons list (see: administration guide)

### 4.8.12 Incoming status

Define your incoming status list and select it in Incoming screen.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of incoming status.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the incoming status in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

- Add dates on incomings to follow dates: initial, planned, real, validation
4.8.13 Incoming weights

Define your incoming weights list and select it in Incoming screen.
That is useful to calculate weighting between different parameters in Reports->KPIs->KPI-incoming-for-project screen.

## Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of incoming weights.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the incoming weights in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.14 Intervention modes

Allows you to define and create your own list of interventions mode.
These values are used in the planned interventions screens and view interventions.

## Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Letter</td>
<td>Letter displayed on the intervention schedule and which refers to the corresponding intervention mode</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number which defines the display order of intervention modes on the planned interventions and view interventions screen</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.15 Languages

Allows to define and create your own languages list.
Then in Product or Component screen you can select your languages values.

**Note:** you have to active ‘display language in Product/Component’ in global parameters.
4.8.16 Languages skill level

You set the value for the skills of your translators.
These values will be applied to each of the languages known to the translator.

**Note:** you have to active ‘display language in Product/Component’ in global parameters.

### Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of deliverable status.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

### 4.8.17 Likelihoods

The likelihood is the probability of a risk or an opportunity to occur.

### Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of likelihood.</td>
</tr>
<tr>
<td>% value</td>
<td>Value in percent.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the likelihood in element lists</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>
Field % value

This field is used to calculate a reserve amount according to the likelihood of risk or opportunity.

4.8.18 Locations

Allows you to define and create your own list of locations, Sites, Cities, Countries … for the management of your IT infrastructure.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.19 Measure units

The measure units.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Plural of name</td>
<td>Plural form of name.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.20 Overall progress

The overall progress is a manual indicator for global progress of a project.

It defines in a visual way the global progress of the project, independently from work progress.

It is displayed on Today screen, for each project.
4.8.21 Payment deadlines

The payment deadline is stated on the bill.

4.8.22 Payment methods

The mode of payment.
4.8.23 Periods

Allows you to define and create your own list of periods. These are used to define the intervention periods in customer and supplier contracts.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.24 Predefined situation

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Element</td>
<td>Type of element affected</td>
</tr>
<tr>
<td>Type</td>
<td>Name of the Brands</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number which defines the display order of the financial elements</td>
</tr>
<tr>
<td>Financial situation</td>
<td>The financial situation which will be taken into account</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.25 Priorities

The ticket priority defines the order to treat different tickets.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of priority.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the priority in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>
4.8.26 Quality levels

The quality is a manual indicator for the conformity of a project to quality processes.
It defines in a visual way the global conformity of the project.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the quality level in element lists and on today screen.</td>
</tr>
<tr>
<td>Icon</td>
<td>Icon that can be displayed for this quality level.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

**Field Icon**

- If no icon is defined, color is used.
- You can define your own icons list (see: administration guide).

4.8.27 Renewal

Allows you to define and create your own renewal type list. These values are used in the customer and supplier contract management screens.
3 values are pre-registered by default: never, tacit and Express See: *incomes*

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.28 Resolutions

Allows to define different kinds of resolution for tickets.
Section Description

Table 75: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Solved</td>
<td>Box checked indicates the ticket will be automatically marked as “solved” when this resolution is selected.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the resolution in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.29 Risk levels

The risk level measures the technical risk of implementation of a requirement.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the risk level in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.30 Severities

The severity designs the level of negative or positive impact the risk or opportunity may have for the product.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of severity.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the severity in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>
4.8.31 Status

The status is an important element of items lifecycle.
It defines the progress of the treatment of the element.
Some automations are implemented, depending on status definition, to set on items.
See: Workflow.

Assigned status

• This status indicates that you have assigned a resource to an activity.
• This can trigger the automatic status change when you assign a resource for the first time on a schedu-
lable element of ProjeQtOr if the global parameter is activated.
• If the assignment is already present or if you use the automatic assignment of the project team then the
change of status will not be effective
• See: Status

In progress status

• This status specifies that the treatment of item is supported.
• A responsible can be determined or required.

Paused status

• This state indicates that item processing is in a paused state.
• Used for the processing of certain elements (activity, tickets …)
• Allows you to exclude and purge the calculation from the schedule
• Recording these break times allows you to get more accurate treatment information

Done status

• This status specifies that the treatment of item is done.
• A result can be specified or required.
• It is possible to require a result when the status change to “done”.

Closed status

• This status indicates that the item is closed.
• This article is archived and will no longer appear in the lists.
• You can display these items by checking the “closed” option at the top right of the screen

Cancelled status

• This status specifies that the item is cancelled.
Section Description

Table 78: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>In progress status</td>
<td>Defines whether 'In progress' flag is automatically set for this status.</td>
</tr>
<tr>
<td>Done status</td>
<td>Defines whether 'done' flag is automatically set for this status.</td>
</tr>
<tr>
<td>Closed status</td>
<td>Defines whether 'closed' flag is automatically set for this status.</td>
</tr>
<tr>
<td>Cancelled status</td>
<td>Defines whether ‘cancelled’ flag is automatically set for this status.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the status in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

Consolidation of status changes

- We have a parameter which allows to auto set parent item status. It depends on children item status and available status in the workflow.

Note:

- Select YES ‘auto set parent activity status’ in global parameters to use it.
- If an activity changes to a “In progress” status, all parents move to the first “In progress” status available in the workflow.
- If an activity changes to a “done”, “closed” or “canceled” status, moving of each parent to the first “done” or “closed” status according to the status of all its children.

Warning: If parents items status has not been changed auto, please check your controls like required fields.

4.8.32 Story point

Values for planning poker session cards are based on the Fibonacci sequence but with rounded values. You can determine a number of cards and a value for each of them. Each value is associated with a number of charging days. This charge will be postponed after the vote on the element used for the user story (ticket, requirement, activity)

4.8.33 Tender status

Allows to define or create your own tender status list. Tender status displayed on Tenders screen and in the table Submissions of tenders
Section Description

Table 79: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the status in element lists.</td>
</tr>
<tr>
<td>Waiting tender</td>
<td>Status information.</td>
</tr>
<tr>
<td>Tender received</td>
<td>status information.</td>
</tr>
<tr>
<td>Tender not selected</td>
<td>status information.</td>
</tr>
<tr>
<td>Tender selected</td>
<td>status information.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

4.8.34 Trends

The trend is a manual indicator for the global trend of project health.

It defines in a visual way the health trend of the project.

It is displayed on Today screen, for each project.

Section Description

Table 80: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the trend in element lists and on today screen.</td>
</tr>
<tr>
<td>Icon</td>
<td>Icon that can be displayed for this trend.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

Field Icon

- If no icon is defined, color is used.
- You can define your own icons list (see: administration guide).

4.8.35 Urgencies

The ticket urgency is an element given by the requestor to indicate the quickness of treatment needed for the ticket.
Section Description

### Table 81: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for this value.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of this value.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of urgency.</td>
</tr>
<tr>
<td>Color</td>
<td>Color to display the urgency in element lists.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate this value is archived.</td>
</tr>
</tbody>
</table>

## 4.9 Control Automation

The menu “controls and automatisms” allows to manage and parameterize efficiently and finely the triggering events as well as all that ensues from it … automatically.

Sending mails, changes of status, status, loading of notes …

### 4.9.1 Workflow

#### Concepts

- *Profiles definition*

A workflow defines the possibility to go from one status to another one, and who (depending on profile) can do this operation for each status.

Once defined, a workflow can be linked to any type of any item.

It is possible to define some mandatory fields on some status change (in the definition of type of item or through the Screen Customization plugin).

If a field is required for the transition from one status to another then you will be automatically redirected to the required field.

Regardless of the layout and presentation of your screens.

#### Select status

Click on 🔄 to display the status list.

Choose the statuses to keep or hide by clicking on the checkboxes.
Fig. 37: Workflow screen

Section List of types using this workflow

List of all elements and objects related to this workflow

Section Workflow Diagram

The workflow diagram presents a visual representation of the workflow displaying all possible transitions (independently to profile rights).

Section Habilitation to change from a status to another

- The habilitation table helps defining who can move from one status to another one.
- Each line corresponds to the status from which you want to be able to move.
- Each column corresponds to the status to which you want to be able to go.
- It is not possible to go from one status to itself (these cells are blank).
- Just check the profile (or “all”) who is allowed to pass from one status to the other.

Make sure that it is still possible to transfer an item from one status to another. Because it is possible to get stuck on a status.

Check the links so that there is still an outlet.
Fig. 38: Select or hide status
Fig. 39: List of types using this workflow

Fig. 40: Workflow Diagram

Fig. 41: Habilitation table
4.9.2 Email Templates

The user is able to format mails that are sent automatically on events. See Notifications on event.

When using template, the standard email formatting is replaced with selected one. Just define your templates, and select it on the “Mail on Events”

Field element updated and type

- If not set, the template is valid for every type of the element
- If element is set, only these elements will be able to select the template
- If element and type are defined, only elements of the corresponding type will be able to select the model of mail

Specifics Tags on email template

In the model, the user can use any property of the subject and display it in the mail using specific tags. You just need to use the tag $ {projectName} for the name of the project to appear and $ {idProject} to display the identification number of this one.

Tip: For properties referencing an external element, such as idXxxxx, use $ {nameXxxxx}

Other tags are available as parameters for email titles. More details, see Global Parameters
Some specific tags can also be used

- `${item}` : class of the item
- `${dbName}` : display name of current instance
- `${responsible}` : synonym for `${nameResource}`
- `${sender}` : name of user sending the email
- `${project}` : synonym for `${nameProject}`
- `${url}` : url to get the direct link to the item
- `${goto}` : display Class and Id of item, clickable to have direct link to the item

Attached files.

- `${allAttachments}` : allow to add to your template all the attached files of the element
- `${lastAttachment}` : allow to add the last attached files to the element

**Warning:** When sending all the files, the software retrieves the files one by one and this, in the order of insertion, from the most recent to the oldest attached file.
If the maximum size allowed does not allow all files to be sent, then the software will stop until the maximum size is reached.
If the last attached file saved in the software alone exceeds the maximum authorized size, then no file is sent.

This tags are available except in the mail title because they display a table

- `${HISTORY}` : displays the last change of an object.
- `${HISTORYFULL}` : display all the modifications
- `${LINK}` : list linked elements to the item
- `${NOTE}` : lists the element’s notes in tabular form
- `${NOTESTD}` : list notes in default format

**the Tags selector**

- A tag selector is available under the text fields.
- Choose the tag you want to insert.
- Click on `insert`
- The tag appears in the body of the text
Fig. 43: Insert specific tags
4.9.3 Notifications on event

- The app is able to automatically send internal emails or notifications when an item is updated.
- Events are defined on an element and/or an element type.
- If the type field is not defined, the event is valid for each type of the element.

  for emails
  - The email message is formatted to show information about the item.
  - Selecting a template, will use the formatting from the template instead of the default standard formatting.
  - Email titles are defined in *Global parameters*.

  for notifications
  - you can use the notifications generated by your browser or the internal notifications of ProjeQtOr.
  - When opening the application in your browser, you will be offered an authorization message for the display of ProjeQtOr notifications.
  - After acceptance, notifications from your browser will replace internal notifications.
  - You will see notifications from your desktop even if you are not directly on the app.

**Warning:** You must allow notifications from your browser in your operating system settings. The ProjeQtOr application must be running in the background to continue receiving notifications.

![browser message to allow notifications](image)

**Fig. 44:** browser message to allow notifications

**Description section**

In the description section you will detail what will be the levers to trigger the sending of an email.

Status is one of these levers. Positioning items in the chosen status will generate an email.

Or choose any other event in the drop-down list.
new status done
or other event
email template
  closed
  attachment add
  note add
  note change
  assignment add
  assignment change
  add allocation to project
  change allocation to project
  link add
  link delete
  responsible change
  description change
  result change or response
  any change
  any change of status
  priority change
  new user created

Fig. 45: Events list
Receivers Section

- List of addresses of the mails.
- The list is not nominative, but defined as roles on the element.
- Each addressee will receive mail only once, even if a person has several “checked” roles on the element.
- See: Receivers list for receivers detail.

Receivers list

Receivers can receive email and alert.

A description of receivers below.

Requestor
The contact defined as requestor on current item; sometimes appears as “contact” (on quotation and order, for instance) and sometimes have no meaning (for instance for milestone).

Issuer
The user defined as Issuer.

Responsible
The resource defined as responsible.

Project team
All resources allocated to the project.

Global project team
all the resources allocated to the project and those of the parent projects.

Project leader
The resource(s) allocated to the project with a “Project Leader” profile.

Project manager
The resource defined as the manager on a project.

Assigned resource
All resources assigned.

Other
Provides an extra field to manually enter email addresses.
If “other” is checked, an input box is displayed to enter a static mail address list.
Several addresses can be entered, separated by semicolon.

4.9.4 Delays for tickets

It is possible to define a default delay for tickets, for each ticket type, each ticket urgency and for each status.

Note: On creation, the due date will automatically be calculated as creation date + delay.
Email receivers

requestor
issuer
responsible
project team

Global project team

project team including parent projects

project leader
project manager
assigned resource
followers
other

Internal alert and warning receivers

requestor
issuer
responsible
project team

global project team

project team including parent projects

project leader
project manager
assigned resource
followers

Fig. 46: Receivers section
Section Description

Table 82: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the delay definition.</td>
</tr>
<tr>
<td>Ticket type</td>
<td>Ticket type the delay applies to.</td>
</tr>
<tr>
<td>Urgency</td>
<td>Urgency of ticket the delay applied to.</td>
</tr>
<tr>
<td>Project</td>
<td>The project on which the delays will be applied.</td>
</tr>
<tr>
<td>Value</td>
<td>Value of delay.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that delay definition is archived.</td>
</tr>
</tbody>
</table>

Field Value

Unit for the value can be

- **Days**: simple calculation as days
- **Hours**: simple calculation as hours
- **Open days**: calculation excluding days off weekends and days off defined on “calendar”
- **Open hours**: calculation only on the “standard open hours” defined in Global parameters screen.

Ticket status

You determine what the status of the ticket will be for the timeframe you create.
For the same ticket, you can have 2 days to take charge of it, 1 day to process it and 1 day to close it.
4.9.5 Unit indicators

It is possible to define indicators on most elements. You can set the indicators on:

- actions
- activities
- customer invoices
- customer invoice exchanges
- customer orders
- customer quotes
- individual expenses
- issues
- meetings
- milestones
- supplier orders
- projects
- project expenses
- supplier invoices
- supplier offers
- questions
- requirements
- risks
- payment deadlines to suppliers
- test sessions
- and finally the tickets

Depending on type of elements the type of indicators that can be selected in list differs. Some indicators are based on delay (due date), some on work, others on cost.

For each indicator, a warning value and an alert value can be defined in days or hours (working or not).
Indicator display

On the Today screen, on the item summary lists, a color code is applied to the line if the item is subject to an indicator and is concerned by the alert values entered.

![Color code applied to lines whose elements are subject to indicators](image)

On the screen of an element subject to the indicators and whose values enter the alert zone, an icon is displayed in front of the description of the element.

![Display of the indicator and the values applied to the element](image)

When you hover over the icon, the raised indicator on that item is displayed along with reminder and alerts values.

Mail receivers

- List of addresses of the mails.
- The list is not nominative, but defined as roles on the element.
- Each addressee will receive mail only once, even if a person has several “checked” roles on the element.
- See: Receivers list for receivers detail.
Internal alert and warning receivers

- List of addresses of the internal alert.
- The list is not nominative, but defined as roles on the element.
- See: Receivers list for receivers detail.
4.9.6 Predefined notes

The predefined note set the possibility to define some predefined texts for notes. When some predefined notes are defined for an element and / or type a list will appear on note creation. Selecting an item in the list will automatically fill in the note text field.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the predefined note.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the predefined note.</td>
</tr>
<tr>
<td>Element</td>
<td>Kind of item (Ticket, Activity, …) for which this predefined note will be proposed on note creation.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of element for which this predefined note will be proposed on note creation.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that delay definition is archived.</td>
</tr>
<tr>
<td>Text</td>
<td>Predefined text for notes.</td>
</tr>
</tbody>
</table>

**Field Element**

If not set, predefined note is valid for every element type.

**Field Type**

If not set, predefined note is valid for every type of the element.
4.9.7 Checklists

It is possible to define checklist forms for each element or each type of element.
When a checklist form exists for a given element, the checklist is available only for the element.

![Checklist screen](image)

Fig. 51: Checklist screen

### Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the checklist definition.</td>
</tr>
<tr>
<td>Element</td>
<td>The elements the checklist applies to.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of the elements the checklist applies to.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that checklist definition is archived.</td>
</tr>
</tbody>
</table>

### Section Checklist lines

A checklist is built from checklist lines.

- Click on to create a new checklist line.
- Click on to update an existing checklist line.
- Click on to delete the corresponding checklist line.

**Tip:** Details of dialog box

- Each line has a name, an order and up to 5 check choices.
- A line with no check choice will be displayed as a section title.
- Name and Choices have 2 fields:
  1. Displayed caption.
  2. Help text that will be displayed as tooltip.
- Checks can be exclusive (select one will unselect others) or not (multi selection is then possible).
Fig. 52: Choices for the checklist lines
4.9.8 KPI definitions

A performance indicator or key performance indicator (KPI) is a type of performance measurement. It is possible to define KPI on incomings and deliverables items.

Warning: Description integrates the formula used to calculate the KPI.

Section Description

Section Thresholds

It is possible to attributes thresholds lines to KPI.

- Click on + to create a new JobList line.
- Click on - to update an existing JobList line.
- Click on ⌬ to delete the corresponding JobList line.

Thresholds

<table>
<thead>
<tr>
<th>name</th>
<th>value</th>
<th>color</th>
</tr>
</thead>
<tbody>
<tr>
<td>not good</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>good</td>
<td>0.65</td>
<td></td>
</tr>
</tbody>
</table>

Note: Keep in mind KPI is an indicator of performance at project level (opposite to indicator which is calculated at item level).

To display the indicator, use Kpi report. See: Reports
4.9.9 JobList

The JobList can be used for each item or item type. It is generally used to detail an activity or a ticket. It also acts as an indicator to monitor compliance with date values thanks to the lead time of tasks.

**Section JobList lines**

A JobList is built from JobList lines.

- Click on + to create a new JobList line.
- Click on to update an existing JobList line.
- Click on to delete the corresponding JobList line.

**Task anticipation delay**

- This deadline is fixed for each step created in the joblist. It works with planned dates. It is not compulsory.
- A color code allows you to anticipate these dates
  - **White**: Without anticipation delay
  - **Green**: Check the box to indicate that this step has been completed. The dot turns green.
– **Orange:** You enter the anticipation period
– **Red:** you have exceeded this deadline

### 4.9.10 Notifications

You must activate the notifications module to display the corresponding screens. This system allows you to generate notifications or according to very “powerful” rules (defined as “where” clauses).

**Note:** ProjeQtOr offers 2 systems to generate alerts or reminders: definition of notifications and manual notifications from the tools menu. See: *Notifications.*

Notification definition in control and automation menu allows you to create notifications about events

**Notification System**

If it is generated by the notification system, it is linked to an element of the system (Action, Invoice, ...).

![Notifications system screen](image)

**Creation**

The definition of notification generation is based on the following:

- The title that can contain the field values of the notifiable element or its sub-elements
- The element of the system that determines the notification, called “Notifiable Element” (notifiable)
- The type of notification (Alert, Warning, Information)
- The notification rule notifying the elements related to the generation of a notification
- The content may also contain the field values of the notifiable element or its sub-elements.
- The date (referred to as the reference date) at which the notification must be generated. This is one of the dates of the notifiable item that is not the creation date.
- The generated notification receivers. Fields of the notifiable element or its sub-elements that refer to users.
- The choice to send, or not, to all the sending of emails at the same time as the notifications.
Section Description

This section briefly describes the type of notification
Its name, its type: alert, information or warning as well as the notifiable element.

Section Notification title

This section allows you to give a title to your notification.
This title will be the object of the programmed mail if you tick the box send an email in the receivers section
You can add dynamic fields with help to insert a dynamic field in the title
The title of the notification can therefore contain fields of the “notifiable” object and its linked elements via an idXXX.
where XXX is the name of the linked item.
Select an object and / or a field and click the Insert button so that the dynamic field with the correct syntax fits directly in the title, where the cursor is.
In this case, the syntax must be: #{the name of the field} …

Tip: #{billId} - Invoice not paid - Sent on #{sendDate} If the rule (see below) of the instruction on the invoice of 'billId' 2019-12-30-0001 whose sending date is 30-12-2019 then the title of the notification will be:
2019-12-30-0001 - Invoice not paid - Submitted on 12-30-2019

Section Rule to apply

Fig. 57: Notifications rules
This rule determines which instance of the item will generate a notification.
The syntax is the one we take for a WHERE clause in an SQL statement.

Tip: Scheduling a notification for all invoices where the amount has been paid = total amount AND project name ‘ACME’
#{paymentAmount} < #{fullAmount} AND #{idProject.name} = ‘ACME’ AND isnull (#(paymentDate)

Note: The rule to apply is not mandatory. If the rule is empty, then only the reference date is used to determine whether or not a notification is generated.
In addition to choosing a dynamic field, you can choose to use an operator or function with the following elements:

**Notification content**

This section is mandatory

You can also add dynamic fields with **help to insert a dynamic field in content** in the same way as in the description section

**Section Start as**

---

**Fig. 58: Start as section**

This section allows you to program the frequency of the notification display

**The reference date**

- Date on which will be generate the notification (minus the number of days or minutes programmed before)
- Notify before: This is a number of days before the notification date for which the notification is to be generated
- This field is mandatory

Example “delivery expected date” is selected.

For all deliverables that do not follow the previous rule, a notification will be generated if the delivery date is not respected.

**Every year**

- If the year is checked, the generator is a notification every year to the month and the day of the reference date
- If the year is checked, the month and day filled, then it is a birthday. The reference date will not be used.

**Every month / Week / Open day**

- Is selected, responsive notifications will be generate monthly / weekly or each open day
Receivers

These are the types of people who are notified.
The syntax is as follows: One of the words in the “Help Authorized Recipients”
section separated by a ‘;’

The following items allow you to choose the type of remitter.
If Sent e-mail checked, an e-mail will be generated even if the notification for each type of person has been
defined.

See also:

Global Parameters Management of automated service (CRON)

Gives in seconds, the time interval between two generations of notification (and the Cron system is active)
and between two the refresh of notifications on the HMI.

Note: The authorizations

The access rights for the ‘notification’ menu were given to the ‘standard’ projeqtor profiles (idProfile = 1 to 7) with
the CRUD rights reader only

The access rights for the ‘notification definition’ menu have been given for the administrator profile (idProfile = 1) with the CRUD rights modifiers

Notification and the IHM

After logging in, a message generated after “Login accepted” that tells you that you have unread notifications:

Display of unread notifications

It is done at 2 levels on the main screen:

- Bottom right A notification icon appears as soon as a notification is not intended for
  the user.
  Clicking on the icon gives direct access to the notifications screen.

- In the secondary menu
  A tree whose title indicates the number of unread notifications intended for the user.

This tree has the following levels:

- Level 1: The types of notifications
- Level 2: The trigger for notifications
- Level 3: The Notification Definition to Product Notifications
- Level 4: The id of the element that generated the notification. Allows direct access to
  the item.

The icon updates notifications without waiting for the scheduled update.

The icon provides direct access to the notifications screen.

Numbers indicate the number of unread notifications
Fig. 59: Notification on the login screen
4.9. Control Automation
4.10 Tools
4.10.1 Emails sent

Users can have a look at the list of the automatic emails sent.

![Fig. 62: emails sent screen](image)

All the information about the email, including the status showing whether the email was correctly sent or not.

You can see in the activity feed of the item the trace of the sending of the corresponding email with the subject and the text of the message.
4.10.2 Emails to send

You must enable the Activate email grouping option in the global parameters.

The programmed emails will be grouped in this screen before their automatic sending based on the period entered in the global parameters.

4.10.3 Scheduled report

In reports, you can schedule sending emails for accurate reports.

You can get the list and details of this programming on this screen.

Click on Button to cancelled the programmation.

Fig. 63: Scheduled report screen

See: Report Sending programmation

4.10.4 Alerts

Users can have a look at the alerts sent.

By default, administrators can see all the alerts sent, and other users only see their own alerts.

Fig. 64: Alert screen
**Button Mark as read**

The button is available if the user alert is not tagged “read” yet.
4.10.5 Messages

**Concepts**

- Profiles definition

You can define some message that will be displayed on the login and today screen.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the message</td>
</tr>
<tr>
<td>Title</td>
<td>Header of the message</td>
</tr>
<tr>
<td>Message type</td>
<td>Type of message</td>
</tr>
<tr>
<td>Start Date</td>
<td>Date when the message begins</td>
</tr>
<tr>
<td>End Date</td>
<td>Date when the message ended</td>
</tr>
<tr>
<td>Message</td>
<td>Complete text of the message</td>
</tr>
</tbody>
</table>

**Detail section**

You can apply visibility filters.

- by profile
- by project
- by organization
- by team
- per user

Fig. 65: Login screen with message
Check the “Show on login screen” box to see your message on the login screen.

### 4.10.6 Legal notice

The General Data Protection Regulation (GDPR) governs the processing of personal data in the territory of the European Union.

Above all, this involves informing people about what you do with their data and respecting their rights. As a data controller, or as a processor, you must take measures to ensure that this data is used that respects the privacy of the persons concerned.

You can define a “legal” message that will be displayed when you log in from the home screen.

For this message to disappear, it must be scrolled to the read confirmation button.

![Legal notice screen](image1)

**Fig. 66: Legal notice screen**

This allows you to have a real-time follow-up of the users who have confirmed the reading of this message.

![Legal notice follow-up](image2)

**Fig. 67: Legal notice screen**

This allows you to have a real-time follow-up of the users who have confirmed the reading of this message.

### Note: What is the GDPR?

The abbreviation GDPR stands for “General Data Protection Regulation” (GDPR). The GDPR governs the processing of personal data in the territory of the European Union.

The legal context adapts to follow developments in technologies and in our societies (increased use of digital technology, development of online commerce, etc.).

This new European regulation is a continuation of the French Data Protection Act of 1978 and strengthens the control by citizens of the use that may be made of data concerning them.

It harmonizes the rules in Europe by offering a unique legal framework to professionals. It helps to develop their digital activities in the EU based on the trust of users.
Visit the CNIL web site here
4.10.7 Import data

Imports data from CSV or XLSX files.

How to do

1. Select the element type from the list.
2. Select file format (CSV or XLSX).
3. Select the file.
4. Click on **Import data** button to start importing.

Report of the import

- Data that is not imported because not recognized as a field appear in grey text in the result table.
- Data that are voluntarily not imported (because must be calculated) appear in blue text in the result table.

Import users

- The password field must be cut and pasted from the database because it is encrypted.
- If you enter some readable password, the users will not be able to connect.

**Warning:**

- If you want to create new users **don’t put any id** because if id already exists, it will be overridden by the new (with possibility to erase admin user…).
- Always keep in mind that your import may have some impact on administrator user.
- So be sure to keep an operational admin access.

Importing document versions

- Two ways to import document versions:
  - by describing only the version, with its standard fields.
  - by describing the document and the version (the name of the fields of the version will be followed by ‘(DocumentVersion)’, or its translation into the current language).

**Note:** CSV import

- **The CSV import file may also include** :
  - ‘importFile’ field that will give the link to the version file (this file will have to be reachable by the PHP server).
  - ‘target’ field that can be set to ‘DELETE’ (the file to be imported is deleted after import) or a directory name (the file to be imported is moved to this directory after import) or nothing (the file to be imported is not modified).
File format

The content of the imported file must fit the element type description.

To know the data that may be imported, click on the button.

Names of columns

• The first line of the file must contain the name of the fields.
• Names of columns can contain spaces (to have better readability).
• The spaces will be removed to get the name of the column.

Tip:
• Look into the model class. The names are the same.

Date format

• Dates are expected in format “YYYY-MM-DD”.

Data import process

Operations are performed, depending on whether the element type, the column or the column value.

Column Id

You may or may not add an “id” column in the file.

Column “id” exists and “id” is set in a line
• The import will try to update the corresponding element, and will fail if it does not exist.

Column “id” does not exist or if “id” is not set in a line
• The import will create a new element from the data.

Linked tables

For columns corresponding to linked tables (“idXxxx”), you can indicate as the column name either “idXxxx” or “Xxxx” (without “id”) or the caption of the column (as displayed on screens).

Numeric value
• If the value of the column is numeric, it is considered as the code of the item.

Non numeric value
• If the value of the column contains non numeric value, it is considered as the name of the item, and the code will be searched for the name.
Columns with no data

- In any case, columns with no data will not be updated.
- Then you can update only one field on an element.

Clear data

- To clear a data, enter the value “NULL” (not case sensitive).

Planning elements

- Insertion into “Planning” elements (activity, project), automatically inserts an element in the table “PlanningElement”.
- The data of this table can be inserted into the import file.

Tickets

- Do not import the value of “real work” on tickets, even if it is specified in the import file.

Automatic import

Imports can be automated.
Files placed on a defined directory will automatically be imported.

Note:

- Automatic import parameters must be set in Global parameters.
- Background task must be started by Administration Console.

The files must respect some basic rules.

File name format

- File name format is: “Class”_”Timestamp”.”ext”
- Example of import file name: Ticket_20131231_235959.csv
  
  Class
  
  - The type of item to be imported (Ticket, Activity, Question, …).
  
  Timestamp
  
  - Timestamp defined to be able to store several files in the directory.
  - Format is free.
  - The recommended format is “YYYYMMDD_HHmmSS”.

Ext

- File extension, representing its format.
- Valid extensions are CSV and XLSX.
File format

- The files must follow the ProjeQtOr File format.
- Files must be full and consistent.

Tip:

- The files should not be directly created in the import folder.
- They must be created in a temporary folder and moved afterwards.

Import process

- Correctly imported files are moved to a “done” sub folder of the import folder.
- If an error occurs during import of a file, the full file is moved to “error” sub-folder of the import folder, even if there is only one error over many other items correctly integrated.
- You can get the result as a log file and/or email summary.
4.10.8 Cloned Environment

You can duplicate the complete environment (data and code) to form a simulation environment.

**Important:** The CRON program must be started and running so that the simulation request can be taken into account and can be generated.

**Administration of simulation requests**

This parameters are also be accessible from simulated environments.

Click on on the Simulation Management screen

- Management of rights and limitations per profils
- Definition of profiles that have the right to create a simulation.

You can limit the number of total simulations per profiles.

This limitation can have some advantages:

- Avoid saturating the server.
- Force users to clean up their files.
- Limit performance degradation caused by the creation of a simulated environment

The removal requests are decremented. If the limits are reached, the request screen to create a simulated environment is blocked.

Fig. 68: Cloned environment parameters

Sequencing of the creation of simulations

The time required to create a simulation space may vary. Depending on your database, your servers or even if several requests are generated simultaneously. It is an operation which can take time. That is why you can set frequencies for creation requests.

- **Fixed frequency**
  
  Analyzes creation requests at regular intervals and starts the generation of simulation environment as soon as a request is encountered.
• At a given time
In order to avoid any slowing down of the database, you can program the generations of the spaces at a specific time of the day. This allows these to be programmed outside working hours.

Copying datas
It is necessary to copy the code and the data because the simulations created in a version could no longer be compatible with the code of the main instance that has migrated.

The creation of a simulation instance is a heavy process for the server: duplication of code, duplication of data…

That’s why when generating your simulation space, not all data is copied.

- Is not copied
  - Archived data (closed)
  - Update history
  - Attached documents and files

- Copy of the code
  - Disabling all automation and notifications.
  - Update the simulations table to record the actual creation:
    - Date and time of actual creation,
    - Flag “available environment”
    - Instance access URL

The cloned Environment managment

![Fig. 70: Cloned environment management](image)

This screen allows you to manage your queries for new simulation environments, to follow them or to request the deletion of a particular simulation.

You can also track requests from other users based on your profiles and your rights.

Generating a simulation environment

To request the creation of a new simulation area, click on

A pop up will appear allowing you to make your request.

Identify the profile making the request, name your space (required) and confirm your request by clicking on OK

*The simulated databases will always have a name prefixed by simu_* followed by the name of the simulation.*

Dates
  - Creation dates: Indicate precisely the date on which you made your request for simulation space.
Availability dates: Indicates the date on which your space was actually generated. They are indicated to you when your request is taken into account.

Delation dates: Indicates the date on which your space will be completely deleted. The simulation space must actually be generated for the deletion request status to appear. If the database is in the request phase and therefore not yet generated, then the deletion is immediate and the deletion request status does not appear.

Color code
- **Blue**: Request being created
- **Orange**: Warning (delete request)
- **Red**: Error creating the environment (path, rights ...)
- **Green**: Environment creates

Go to the cloned Environment

When your simulation is ready, green status, you can open your cloned environment. Click on  to launch the environment.

A new tab opens with a new ProjeQtOr session. Authenticate yourself, you can start working in your environment.

The instance area turns red when you are in a simulation space.

Not all screens or functions will be accessible in this space.
For example, you will not be able to request and create a new simulation space in your cloned environment.

Copy a cloned Environment
You did a successful simulation on one of your cloned environment.
You want the copy to run other tests but without touching the simulation.
Just copy this environment.
The origin of the copy will then be indicated in the list with a shortcut to access it.

Deleting a simulation environment
Deletion requests are stored in the simulation table.
They are processed in the same process as creations, but always with priority to free up space before allocating new resources to new instances.

**Tip:** To avoid overly broad rights management and server invasion problems, all simulations (code) will be placed in a “simulation” directory outside of the main ProjeQtOr directory.
Thus, if the main instance is accessible via the url “projeqtor.xxx.fr”, the simulations will be accessible via the url “projeqtor.xxx.fr/simulation/nom_de_simulation”.
4.10.9 Notifications

You can define manually notifications in this screen.

![Notifications]

You receive notifications as soon as you authenticate on the login screen.
When you are logged in, you have a reminder at the top of the screen.
You have the number of unread notifications
Hover over it for the list of notifications to appear
A slight color line in front of the name indicates the type of notification
- Red = alert
- Blue = information
- Yellow = warning
Click on the name of the notification to display its detail screen.
You can also display the notification in the part below the menu.
See: Secondary menu - Notifications section
Click on an unread notification for discover the details.
- The first icon indicates the type of notification
  - the second icon indicates how the notification was created
    - System Notification
    - Manual Notification
- The third icon indicates if the notification has a definition. see: Notification System
- Click on the fourth icon for display the detail of the notification

Note: Type of alert
- ☣ type information
• 🚨 type Warning
• ⚠️ type alert
• Σ sum - Records all the type

4.10.10 Audit connections

Audit connection proposes a view of “who is online”.

you can know which platform the user has logged on to, his browser and dates of his first and last access, as well as the duration of the connection

Note: The administrator has the possibility to force the disconnection of any user (except his own current connection, see: admin-console.)
ProjeQtOr provides a very rich user interface.

It may be frightening at first glance because of the very numerous elements it provides, but once you’ll get familiar to the structure of the interface you’ll discover that it is quite simple as all screens have the same frames and sections always have similar structure and position.
5.1 Graphical User Interface

ProjeQtOr interface is divided into several areas.

Interface areas:
- Top bar
- Infos bar
- Custom Menu
- Menu
- Secondary menu
- List Area
- Details area
- Activity Stream

Note: Area separation

Fig. 1: Overview graphical user interface screen
Fig. 2: The splitters allow resizing areas in the interface. The position of splitters is saved and retrieved on each connection.

5.1.1 Top bar

Interface areas:

- Navigation buttons
- New tab
- Project selector
- Instance name

Navigation buttons

The navigation buttons give access to previous and next pages in the history.

The Ajax technology used by ProjeQtOr makes it possible to refresh the data while preserving the structure of the solution.

This is why you will lose the session to projeqtor if you use the navigation of your internet browser.

Button New tab

The new tab button allows to open a new tab within the same session.

When you open a tab on your browser, it opens a new session of ProjeQtOr.

For the browser to open the tab as a result of the first session you must go through our navigation system.

When you are already connected to a session, a screen indicates this to you.

Click on the button to reconnect from this tab or leave this one to recover the current session.
Project selector

![Project selector](image)

Fig. 4: Project selector

Allows to select the project to work on.
Limited visibility of all elements of the selected project, including sub-projects if applicable.
Definition of the “default” project for new elements.
Visibility only of favorite projects in other lists.

**Note:** User parameter

default project Defines the project that will be selected and display by default into the project selector

See: User parameters - section automation

Project selector parameters

Click on ![project selector parameters](image) to display the project selector parameters dialog box.
3 tabs allow you to adjust certain aspects of the selector**

- Selector format
- Favorites
- and others…
In the format tab of the selector, you choose how the elements are displayed in the list.

**Display the projects in progress**

This option allows to display only in the list of the project selector, the projects with the macro state in progress.

**Show level projects**

It is possible to choose the number of sub-projects displayed in the project selector.

**Project list display mode**

ProjeQtOr offers the possibility to display the list of projects in different ways.

**Standard reflecting WBS structure**

- List of project and sub-project are displayed according to WBS structure.
- This is the only presentation mode where you can create favorites lists.
- You can choose to display multiple projects by checking the corresponding boxes.

**Filtering select with autocomplete**

- List of project and sub-project are displayed according to entered text.
- Search criteria works in a “starts with” mode
- Autocompletion is active
- Compatible with favorites, but you can no longer create a list.

**Filtering select with search**

- List of project and sub-project are displayed according to search criteria.
- Search criteria works in a “contains” mode
Fig. 6: Projects Selector with level display

Fig. 7: Project list display mode standard

Fig. 8: Filtering select with autocomplete
• Autocompletion is not active
• Compatible with favorites, but you can no longer create a list.

Fig. 9: Filtering select with search

Favorites project

Favorites for Project Selector

You can create several favorites project list.

Fig. 10: project selector favorites

• Click on the displayed to the right of the project to select the project to add to your favorites list.
• You can only create a favorites list from the layout representing the WBS structure in the previous tab. See: Standard display mode.
• The lists are however compatible with all presentation modes
• Each selection is highlighted with the secondary color of your session

• Click on to to be able to save your list.
• Name the list of favoris
• Click on to save your list
• The list is stocked in the Saved favorite list table.
• when a project favorites list is selected it is highlighted in the secondary color of your session.
• When the list of projects is limited to favorites, we also display recursively:
– visible parents of favorite projects

**Warning:** Be careful, we do not necessarily go back to the root but to the highest “visible” parent project. For example, if we have a structure P1=>P1.1=>P1.1.1=>P1.1.1.1, if a CP is assigned to P1.1, it does not see P1, by checking P1.1.1.1 by favorite, we display P1.1 and P1.1.1 but not P1)

– The visible subprojects of favorite projects whether they are favorites or not.

**Warning:** Same remark as above on the limit of visibility.

- When the list of the project selector is restricted to favorites, deselecting a favorite project makes it disappear (refreshing the selector).
- When a favorites list is enabled, “all projects”, is replaced with “all favorite projects”. You can limit your list of favorites or display them in their entirety by clicking on this option. This will
Enter the Archive Mode

This option allows you to show the closed items.

When archive mode is active, then icon $\mathbb{C}$ is displayed in the top bar. Click on it to stop the process.

Archive mode allows you to see closed projects in the project selector.

To display closed projects in the list area of the projects screen switch the button “closed”.

This button is not visible when the archive mode is Off.

Only the administrator can see this button permanently.

- When Archive mode is active, Projects lists on report parameters show closed projects.

Selector of the current item

- Click on the button $\mathbb{C}$ to select current project in the project selector.
- Click once, from any element to display in the selector the project linked to the element.
- Double click to display all projects again

Project selector search

Click on $\mathbb{C}$ to search projects and subprojects from any screen with the same search functions as on the projects screen.

Fig. 13: Project selector search window

- **Instance name**

you can rename the name of the ProjeQtOr instance via the global parameters in the View tab.

See: Tab Display
5.1.2 Infos bar

<table>
<thead>
<tr>
<th>Interface areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ CRON button</td>
</tr>
<tr>
<td>□ Version button</td>
</tr>
<tr>
<td>□ About menu</td>
</tr>
<tr>
<td>□ Display layout</td>
</tr>
<tr>
<td>□ Session menu</td>
</tr>
</tbody>
</table>

**CRON button**

The CRON activation button allows you to quickly see if your CRON is launched or not. The button is only visible for Administrator profile.

- Green: the CRON is running
- In request for closure. The next refresh turns it red.
- Red: the CRON is stopped

Click on the button to start or stop CRON in the same way as on the Administration page.

See: *Background tasks*

**Version button**

Displays the version of ProjeQtOr installed

Click on the button to access the site of ProjeQtOr.org
About menu

This menu allows you to have access to real-time information with a notification system for news.

![About menu](image)

The button sends you to the forum of the ProjeQtOr site in order to post the possible anomaly.

Links

The links indicated allow you to display:

- the software manual,
- the manual page concerning the keyboard shortcuts taken into account in ProjeQtOr.

5.1. Graphical User Interface
• the version information on the external libraries used in ProjeQtOr.

News
Find all the information about ProjeQtOr in real time.
Hover over the desired information with the mouse to preview it.
Click to view full information.
A navigation system allows you to consult all the information.
Access
Access ProjeQtOr’s plugin store and forum summary with just one click.

Screen layout
The layout of the screens allows you to choose how you want to display the ProjeQtOr interface.
The arrangement not chosen appears in gray:

Many modes are available!

Switched mode
Allows to enable or disable switched mode that allows to switch between list and detail windows.
Window selected is displayed in “full screen” mode.
Hidden window are replaced by a gray bar. Click on the gray bar to switch between windows.

Horizontal layout - vertical layout
You have all the screens of the application in horizontal or vertical mode.
You can uniquely arrange your screens by using the display icon in the list box.
Horizontal mode shows the list box at the top of the screen and the details box at the bottom.
Vertical mode shows the list box on the left of the screen and the details box on the right.

Mode List
Column mode corresponds to the historical presentation of ProjeQtOr, where the different parts making up the details area are displayed in one, two or three columns.

Mode Tab
The sections present in the columns are dispatched under tabs with the tab mode.

Show/Hide Activity Stream
Show or hide globally (on all screens), the notes area for each element.
To display notes only on a specific screen, choose from the details area toolbar.
Full screen mode

With this mode, you make your browser invisible, the menus, navigation bar, buttons … are hidden. You can enjoy your ProjeQtOr instance in full screen mode.

### Session menu

![Session menu interface](image)

The connection window offers some settings and information at user level.

#### Profile

The profile section tells you:

- The common name in the software
- The connection identifier
- The profile assigned in the software with this account
- The organization to which the user belongs
- The team to which the user belongs

You can assign a profile picture in the *user parameters*.

#### Interface Parameters

This section allow you to choose and modify at your leisure:

- the language of your personal session
• the time zone is automatically entered according to the settings of your computer
• the colors of your personal interface
• The brightness level for the background of the screens
• the home page which will be displayed when you log in
• The speed of the main menu animation
• the time in seconds for automatic list refreshing

Two buttons offer you direct links to:
• the page to change your password
• user settings page

And it is in this window that you end your session using the disconnect button.

These changes only impact your session and will apply over the global settings defined by your administrator.

Interface colors

You choose two colors which will be declined thanks to subtle colorimetric games throughout the software.

The main color corresponds to the color that will be displayed in the background of the menus, title and separation elements.

The secondary color is applied for everything related to selection, navigation or position.

Color discs

These discs are shortcuts for applying a color scheme. Basic four color discs are available including one with the original colors of ProjeQtOr.

The other three discs are suggestions on our part. You can display your colors by saving them in the global settings on the Display tab. The next time you reconnect, the last color disc will have your colors.

brightness

Adjust the background brightness of your interface.

The brighter the brightness, the more white the background will be, move the cursor to dark to obtain the gray interface background.

Menu speed

You determine how the menu behaves as you navigate through it. When you set to fast then the animation between the menus will hardly be visible anymore.

Auto refresh

Item list boxes can refresh automatically.

Choose how often list boxes are automatically refreshed.

### 5.1.3 Custom Menu

Fig. 17: Bookmarks Bar
1. **New element**

This button allows you to quickly create a new element from any screen.

![Create a new item](image)

Fig. 18: Create a new element

You can create:
- a project
- a resource
- an activity
- a ticket
- a meeting
- a milestone

The switch button “create on pop-up” allows you to define how to initiate the creation.

If the button is activated, a pop-up opens over the current screen on the screen of the element you want to create.

If the button is disabled, you go directly to the screen of the element you want to create.
Bookmarks

You can mark certain screens and organize them in the favorites bars to create a personalized menu. You can create up to 5 favorite bars. Click on to display in the display zone the list of screens of the elements that you have put in favorites.

Right clicking on the display area allows you to display and organize the 5 favorite bars and choose how to display them.

- Bookmarks text
  You view bookmarks in text mode only

- Bookmarks icon
  You display bookmarks in icon mode only

- Bookmarks icon and text
You display bookmarks with icon and text

The number displayed corresponds to the number of the favorites bar on which you are.
To change bookmarks bar, use your mouse wheel when you are positioned on the bar.
Or click on the up and down navigation arrows at the right end of the bar.

Add, Organize and remove bookmarks

To add a bookmarks, click on the star to the right of each menu screen

The star is filled with the secondary color of your interface once added to the favorites bar

To organize your favorites, right click on the bar or click on to display your 5 bars, then click and drag and drop the screens to the desired bars.
A green bar tells you that you can drop the favorites from your screen, a red bar tells you that it is impossible.

To remove a bookmark, right click on the bookmark and click on the button remove from the custom menu bar.

You can put the same bookmark on several bars. Ctrl click on the favorite and drag and drop to another bar. The favorite will be duplicate.

3 Recents bar

The recent screens bar allows you to keep in memory the screens you have browsed since the connection. It acts like a kind of limited history.

![Recent bar](image)

Fig. 21: Recent bar

Indeed, the number of recent screens depends on your screen resolution. For example: between 12 and 16 screens displayed for a 2K screen and between 6 and 10 for an HD screen.

5.1.4 Menu

<table>
<thead>
<tr>
<th>Interface areas:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main menu</td>
</tr>
<tr>
<td>Section indication</td>
</tr>
<tr>
<td>Breadcrumb</td>
</tr>
<tr>
<td>Show / Hide menu</td>
</tr>
<tr>
<td>Search menu</td>
</tr>
</tbody>
</table>
Fig. 22: Menu
Main menu

The menu takes up the overall scope of project management. Each section represents a part of this perimeter. The menu is designed to highlight the main screens in each section. These are often the screens most used by project management professionals. The secondary screens appear under sub-menus and the navigation is deeper.

Section indication

When browsing, each time you select a section or subsection, the icon corresponding to the latter is displayed in this area.

Breadcrumb

Breadcrumb generally refers to the breadcrumb trail of website navigation. This item tells the user where they are in the menu hierarchy. In ProjeQtOr, the Breadcrum shows you the previous section of the one where you are. By clicking on the breadcrumb, you return to the mother section, until you reach the reception.

Show / Hide menu

Click on \( \equiv \) to hide the menu
Click on \( \equiv \) to bring up the menu

Search menu

You have the possibility to do a search directly in the menu. The search takes into account the name of the element screens, but also certain tags, which do not know how to be enriched. The search also allows you to display the reports related to the keywords entered in a separate section. When you click on a screen resulting from your search, the screen is displayed but you do not change the section in the menu, which allows you to return at any time to the screens of the section where you were. To return to your section after a search, click the reset icon in the search field.

5.1.5 Secondary Menu

The secondary menu can be seen as the right hand side of the menu. It allows you to display a lot of information about your project, your navigation or your organization.

Interface areas:

- Parameters
- Links
- Repertory and Document
- Console
Fig. 23: Search performed with the tag GANTT
Fig. 24: Menu
Parameters

The parameters displayed in the secondary menu are linked to the selected screen.

In the example above, the user selected the Activity screen. We then see that the parameters are in direct correlation with the activities.

If the user selects the project screen, then the parameters will be adapted for those.

Links

Display hyperlinks to remote web pages.

These links are defined as hyperlink attachments on projects.

Links displayed here depend on the selected project.
Repertory and Document

Document directories give direct access to documents contained in the directory.

See also: Document directories screen.

Console

Displays information about main actions: insert, update, delete.

The timestamp indicates when the action was done.

**Warning:** Messages displayed here are not stored and will be flushed when user logout.
Notifications

In the secondary menu

A tree whose title indicates the number of unread notifications intended for the user.

This tree has the following levels:

- Level 1: The types of notifications
- Level 2: The trigger for notifications
- Level 3: The Notification Definition to Product Notifications
- Level 4: The id of the element that generated the notification. Allows direct access to the item.

The icon \( \text{refresh} \) allows you to refresh notifications without waiting for the scheduled update.

The icon \( \text{go to notifications} \) provides direct access to the notifications screen.

Numbers indicate the number of unread notifications.
5.1.6 List Area

**Interface areas:**

- **Element identifier**
- **Tools**
- **Items list**

**Element identifier**

Displays the element name and the count of items in the list.

Each element is identified with a distinctive icon.

Click a column header to sort the list on that column (first ascending, then descending).

Sorting is not always on the name displayed.

If the sorted column is linked to a reference list with sort order value, the sorting is executed on this sort value.

Sorting on the “Status” allows to sort values such as defined in the workflow.

Click on a line (any column) will display the corresponding item in the detail area.

**Tools**

- Click on ![create](#) to create a new element
- Click on ![refresh](#) to refresh the list
- Click on ![automatic refresh](#) to automatically refresh the list
- Click on ![many filters](#) to apply many filters
- Click on ![columns](#) to organize the columns
- Click on ![sub-menu](#) to open the sub-menu
- Click on ![print](#) to print the list area as it appear on the window
- Click on ![PDF](#) to export the list area to PDF
- Click on ![CSV](#) to export the list area to CSV
• Click on to open the multiple update

• Click on to display this screen vertically or horizontally only

Switch the button close to make appear all the In progress element

Automatically refresh the list

Item list boxes can refresh automatically.

Choose in the connexion menu how often list boxes are automatically refreshed.

See: Session menu

The filters

<table>
<thead>
<tr>
<th>FILTERS</th>
<th>Reset</th>
<th>always display</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td></td>
<td></td>
</tr>
<tr>
<td>name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>client</td>
<td></td>
<td></td>
</tr>
<tr>
<td>quick search</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 26: Filters windows

The first filters offered are basic filters.

The rapid filters

You can choose to always display them in the toolbar of the list box by activating the switch button.

You can choose to always display them in the toolbar of the list box by activating the switch button.

You can restrict the display:

• by ID

• by name

• by type
The Quick search

fill in the quick search field then click on the magnifying glass to launch the search in all the available fields of the list box AND details.

Click the reset button to clear your search and restore the original display.

**Note:** Accents are not taken into account

Status filters

Switch the button **Display states to filter directly**

Only existing status are visible if their are used.

Choice one of them and the item list will be filter.

This is a quick filter list by status.

The advanced filters

Click on the button to display the advanced filters window.

Several sections are available

**Active filter**

Define the clauses of filter or sort in “Add a filter or sort clause”.

Select the name of the field, the operator and the value to the clause.

- Click on **+** to add additional criteria.
- Name the filter to save and click on **H** for later reuse.
- Click on **Q** to filter the filter list.
- Click on OK button to apply the filter.
- Click on Cancel button to revert to previous filter.
- Click on Clear button to reset the active filter.
Logical operator

Possibility to select the logical operator OR between the criteria of a filter instead of AND.

Applies logical operator with preceding criteria (by default AND).

Be careful, operator AND is applies before OR.

Dynamic value

When the selected value is dynamic, then you do not select anything in the list.

The value will then be entered when the filter is called and will be fully activated when the filter is chosen.

Saved filters

This section allows to manage saved filters.

- Click on a saved filter to retrieve its definition.
- Click on from a saved filter to delete it.
- Click on to reorganize the filters.
- Click on to shared a filter with your employees

When your collaborators share filters, they appear below the list of saved filters.

Click on the list to display all filters and their author.

List of filters
The filter list allows to select a stored filter. To see the filter list, move the cursor over the advanced filter icon.

- Click on the filter name to apply.
- Click on no filter clause to reset the filter.

**The columns**

You can define which columns you want to display in the list area for the selected item. The identifier and the name of the selected element are mandatory fields. They cannot be removed from view.

The display of columns can be defined by and for the user or it can be applied by default for a particular user.

- Use the switches to select or deselect the columns to display.
- Click on OK button to apply changes.
- Click on Reset button to reset the list to its default format.
- Click on “To Manage” button to save column layouts.

The applied definition will be automatically retrieved at the next connection.

**Column order**

You can move columns using the handles in front of the column name. Click drag to where you want to drop it.

You can move columns directly from the list area.

Click on the column to move and drag and drop where you want it. The icon shows you with an arrow where the column will be placed.

**Column size**

Use the arrows to the right of the column name to increase or decrease the column width.

The width is in % of the total width of the list. The width of the field is automatically adjusted so that the total width of the list is 100%.

The minimum width is 10% and the maximum width is 50%.

You can also position your mouse between two columns and drag to change the width of the selected column.
Fig. 31: List of filters
### Fig. 32: Columns Organizer

<table>
<thead>
<tr>
<th>Column</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>5</td>
</tr>
<tr>
<td>wbs</td>
<td>10</td>
</tr>
<tr>
<td>project name</td>
<td>30</td>
</tr>
<tr>
<td>type</td>
<td>15</td>
</tr>
<tr>
<td>color</td>
<td>5</td>
</tr>
<tr>
<td>status</td>
<td>15</td>
</tr>
<tr>
<td>progress</td>
<td>10</td>
</tr>
<tr>
<td>planned end</td>
<td>10</td>
</tr>
<tr>
<td>cancelled</td>
<td>5</td>
</tr>
<tr>
<td>allow reduction</td>
<td>5</td>
</tr>
<tr>
<td>overall progress</td>
<td>10</td>
</tr>
<tr>
<td>expected</td>
<td>5</td>
</tr>
<tr>
<td>validated work treatment</td>
<td>5</td>
</tr>
<tr>
<td>category</td>
<td>10</td>
</tr>
<tr>
<td>client</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Column</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>5</td>
</tr>
<tr>
<td>wbs</td>
<td>10</td>
</tr>
<tr>
<td>project name</td>
<td>30</td>
</tr>
<tr>
<td>type</td>
<td>15</td>
</tr>
<tr>
<td>color</td>
<td>5</td>
</tr>
<tr>
<td>status</td>
<td>15</td>
</tr>
<tr>
<td>progress</td>
<td>10</td>
</tr>
<tr>
<td>planned end</td>
<td>10</td>
</tr>
<tr>
<td>cancelled</td>
<td>5</td>
</tr>
<tr>
<td>allow reduction</td>
<td>5</td>
</tr>
<tr>
<td>overall progress</td>
<td>10</td>
</tr>
<tr>
<td>expected</td>
<td>5</td>
</tr>
<tr>
<td>validated work treatment</td>
<td>5</td>
</tr>
<tr>
<td>category</td>
<td>10</td>
</tr>
<tr>
<td>client</td>
<td>10</td>
</tr>
</tbody>
</table>
Fig. 33: Drag and drop to move columns

Fig. 34: Dragged and dropped on list area columns

5.1. Graphical User Interface
**Important:** Total width greater than 100%

- The total width should be limited to 100% maximum.
- The overrun will be highlighted next to the buttons.
- This may cause strange display, across page width, list, reports and PDF export, depending on the browser.

Columns layout

You can save different column layouts according to your needs for the same element.

- Start by selecting the columns you want to put in one of the saved layouts.
- Then, click on the “To manage” button to open the pop-up to save the current layout.

![Layout Management window](image)

**Fig. 35:** Layout Management window

- Name the layout and click on ![Icon](image) to save your layout to the list of advanced stored layouts
- Click on ![Icon](image) to delete a layout
- Click on ![Icon](image) to share the saved layout.
- Click on the name of the layout to select it and display the columns relating to it in the list area.

Shared layout

Shared layouts will be visible in the layout management pop-up.

Each layout is presented under the name of the user who created and shared it

Assign layout

You can assign a layout to one or more users depending on your rights.

Select the layout you want to assign by clicking on the handle in front of the name.
Click on the “attribute” button to assign a layout to a user.
Drag and drop from left to right the users who will be assigned the layout
It is possible to register selected users in a group.
Name the group in this dedicated field “save a group”.
Click on to save the group.
Click on to delete the group
Once saved, you can retrieve the groups from the “remind group” dropdown.

**Options**

Switch the options you are interested in to reapply this layout to each new connection or to assign the selected layout to each new user

**Note:** See the acces right

**PDF Export to PDF format**

Allows to export data of list to PDF format.
Export contains all details and links between tasks.
Export can be done horizontally (landscape) or vertically (portrait) in A4 and / or A3 format with high quality of details

**CSV Export to CSV format**

This functionality allows to export data of list in a CSV file.
The fields are regrouped and presented in the order as they appear in the item description.

- Click on OK button to export data.
- Click on Cancel button to close the dialog box.
The export definition is defined for each user.
Fig. 37: Assignment popup for a layout
The same definition can be applied in the next export.

- Use the checkbox to select or unselect all fields.
- Click on Select list columns button to restrict selected fields to the ones that are currently displayed in the list.
- For fields that reference another item, you can select to export either the id or the clear name for the referenced item.
- Box checked indicating that HTML tags in a long text field will be kept during export.

---

**Note: Import Data**

The active filter defined will be applied to export data.

The CSV exported files can directly be imported through the import functionality.

See: Import data

---

Multiple update

Allows to update several items in one operation.

- The fields that can be updated depends on the selected element.
- The editable fields are sorted in alphabetical order.

---

1. Number of selected item

Indicates the number of objects selected in the list area.

2. Fields choices

Choose in the list the field which must be modified on the selected objects.

When the control is chosen, a list of choices corresponding to the field is displayed.

Then choose the new value of the field.

Click on ç to apply the new value.

---

**Note:**

- Target milestones can be modified with “multiple update” tickets and activity screens
- You can bulk close items that do not have status (assigned, closed, recorded ...) as resources
- The passwords of all users can be reset at the same time:
  - On the users screen, In the update area, click on the Reset button.
  - An email will be send to the selected users.
### Export

#### Choose columns to export

- **Check / Uncheck all**
- **Select list columns**
- **Id or name for references**
  - Name
- **Preserve html format for long texts**
- **Separator for csv files**
  - ;

<table>
<thead>
<tr>
<th>Description</th>
<th>Treatment</th>
<th>Progress</th>
<th>Product</th>
<th>Component</th>
<th>Target product version</th>
<th>Target comp. version</th>
</tr>
</thead>
<tbody>
<tr>
<td>hyperlink</td>
<td>parent activity</td>
<td>validated start date</td>
<td>product</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>id</td>
<td>status</td>
<td>planned start date</td>
<td></td>
<td>component</td>
<td></td>
<td></td>
</tr>
<tr>
<td>reference</td>
<td>responsible</td>
<td>real start date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>name</td>
<td>in progress</td>
<td>initial start date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>activity type</td>
<td>start date</td>
<td>validated end date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>project</td>
<td>done</td>
<td>planned end date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>external reference</td>
<td>done date</td>
<td>real end date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>creation date</td>
<td>closed</td>
<td>initial end date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>last update</td>
<td>closed date</td>
<td>validated end date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>issuer</td>
<td>cancelled</td>
<td>planned duration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>requestor</td>
<td>result</td>
<td>real duration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>origin type</td>
<td>reassessed work</td>
<td>initial duration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>origin id</td>
<td>validated work</td>
<td>validated work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>description</td>
<td>assigned work</td>
<td>assigned work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>real work</td>
<td>real work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>left work</td>
<td>left cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>reassessed cost</td>
<td>reassessed cost</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>progress</td>
<td>progress</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>expected</td>
<td>expected</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>wbs</td>
<td>wbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>priority</td>
<td>priority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>planning mode</td>
<td>planning mode</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>color</td>
<td>color</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>minimum threshold</td>
<td>minimum threshold</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>not splitted work</td>
<td>not splitted work</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>fix planning</td>
<td>fix planning</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>planning activity</td>
<td>planning activity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 38: Dialog box - Export**
Fig. 39: Multiple mode item selection

**Items list**

View in this list the operations carried out.

In green the operation is successful and the modification is applied.

In red, an error has occurred, the modification is not applied.

**Buttons**

- Click on ☑️ to select all the element in the list area
- Click on ☐️ to unselect the selected element in the list area
- Click on ☐️ to apply the modifications
- Click on ☐️ to access the deletion
- Click on ☐️ to quit the multiple update mode

### 5.1.7 Details Area

**Interface areas:**

- Item identifier
- Creation information
- Buttons
- Text Editor
- Sections

---

**5.1. Graphical User Interface** 273
**Special fields**

**Item identifier**

Identifies the item with the element type and the item id and name. Each element is identified with a distinctive icon.

**Creation information**

You can see at a glance the status, update and creation information of the element.

- First calendar shows the date of update.
- Second calendar indicates the creation date of the element.

  Calendars appear in red when the modified or created date is today’s.
  They appear in yellow when this date is yesterday.
  and in gray when the date is older

The thumbnail corresponds to the creator of the element

See: *Thumbnails*

**Note:** Administrator can change this informations.

**Buttons**

**Details windows buttons**

- Hide Details element
- Create new item
- Save the changes
- Refresh the display
• Copy the current item
• Delete the item
• Search planning
• Cancel changes
• Print the details
• Export to PDF format
• Export to PDF and attach file
• Send details
• Subscribe detail
• Activity Stream
• Show history
• Show checklist

Warning: Some buttons are not clickable when changes are ongoing. When changes are ongoing, you cannot select another item or another menu item. Save or cancel ongoing changes first.

Hide details
This icon is visible on the views of the gantt chart in order to hide the details when it is set to vertical display.

Create a new item
Depending on the screen of the selected item, create a new item in that category.

Save the changes
Save the changes of the current item.
Or use shortcut key ctrl-s to save the changes on the current item.

Refresh the display
Allows you to refresh the details windows of the selected element

Copy item
The copy tool allows you to copy an element with multiple options.
You can select only certain information, such as the structure of the project, the meetings, the links or even the attached files and certain elements of the scope…
The information to be copied is different depending on the item selected.
The new element has the status copied by default. An option allows you to copy the project with the status “recorded”.
When copying the project, the data of the closed resources are not copied.
When an element is copied into another element (for example as an estimate copied into an order) an automatic saving of the copy options is carried out. These options will then be offered to you when you make a new copy of the same type.

The last saved options for the last type of element copied will be offered when copying again to a new type of element that has not yet been used.

Fig. 41: Copy project

The options displayed in dialog box depends on whether the element is simple or complex.

Simple element
Simple element (environment parameters, lists,…) can only be copied “as is”.

Complex element
Complex element (projects, tickets, activities, financial documents…), it is possible to copy them into a new kind of elements.
For instance, it is possible to copy a Ticket (the request) into an Activity (the task to manage the request) or meeting, periods meetings as well as test sessions.

For Projects and Activities, it is also possible to copy the hierarchic structure of activities (sub-projects, sub-activities and plannable elements).

Select the elements you want copied from the initial element.

Delete the item
To delete the selected element.

Basically, some items cannot be deleted. For example, if actual work has been saved on an activity. The latter, as well as the project on which it depends, cannot be deleted.

To be able to delete these elements, go to the Access Rights menu in the Specific access and choose YES in can force the deletion of the actual work in the “specific update rights” section.

Search in the planning (Gantt view)
When you are on a scheduleable element (ticket, activity, milestone, etc.) click on the search planning icon to automatically go to the planning by targeting the previously selected element

Undo the change
The button is clickable only when changes are ongoing.
Allows you to undo changes made to the current element

Print the details
To obtain a printable version of the details of the current element.

Export to PDF format
To get a printable version of the details in PDF format.

Export to PDF format and attach files
Allows to export the data of the selected element in PDF format and once generated, attaches the file in the section of the attached files of the element.

The export contains all the details and the links between the tasks.

Export can be done horizontally (landscape) or vertically (portrait) in A4 and/or A3 format with high quality details

Email detail
Allows to send an informative email to defined recipients list.
The list is defined according to the role of the recipient.
See: ProjeQtOr roles
Flag on the role checkbox to define the recipients list.

Checkbox other
Flag on the checkbox other to manually enter email addresses.

When sending an email, the address (es) entered in “other” remains in memory and will be proposed during the next mailing
Use commas or semicolons to separate addresses.

Message
The message that will be included in the body of the email, in addition to a complete description of the item.
**Save as note**

Flag on to indicate the email message will be saved as a note.

**Email Template**

You can choose an email template even without having predefined it in the settings.

To create and view templates. See *Email Templates*.

**Files to attach to email**

Attachments for the item appear in the attachment table. If the item has no files attached then the table is not visible.

The maximum size of attached files must be entered in the global parameters in the Mailing tab. The size indicated is in bytes unless you indicate otherwise. *see: Global parameters*

When you check a file to send the size of the latter is displayed at the top right of the table.

- If several files are selected, then the total size of these files is calculated and displayed.
- If the total size

**Subscribe detail**

Allows to subscribe to tracking of an item.

This icon is checked when you subscribed.

When a user “subscribes” to the project, he will receive notifications “to subscribers” for all elements of the project.

Ability to subscribe a third party user to the tracking of an element (according to configurable rights).

You can drag the name of selected resources and drop them on the right column for subscribe them.
5.1. Graphical User Interface
Display of list of followed items

You can view the list of followed items in two ways:

- click on the button “View the list of subscriptions” in the subscription menu
- In the user settings of the Automation section, click on the “show list of followed items” button.

![Display of list of followed items](image)

**Fig. 45: Display list of followed items**

**Note:** email

Possibility to send an email to users following the item

When unitary sending detail or on automatic sending or on indicator.

**contacts**

You can see the items followed by your contacts

see: **Contacts**

**Activity Stream**

This icon allows you to display the Stream activity in a unique way on the selected element.

Unlike the Activity Stream icon in the Display layout menu which activates it globally on all screens.

The last position of the activity stream is always saved.

See: **Activity Stream**

**History of changes**

All the changes items are tracked.

They are stored and displayed on each item.

On creation, just an insert operation is stored, not all the initial values on creation.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation</td>
<td>The operation on the item (insert or update).</td>
</tr>
<tr>
<td>Data</td>
<td>The field modified.</td>
</tr>
<tr>
<td>Value before</td>
<td>The value of the field before the update.</td>
</tr>
<tr>
<td>Value after</td>
<td>The value of the field after the update.</td>
</tr>
<tr>
<td>Date</td>
<td>Date of change operation.</td>
</tr>
<tr>
<td>User</td>
<td>Name of the user who operated the change.</td>
</tr>
</tbody>
</table>

**Table 1: Fields of changes**

**Displaying the history of changes**

- The user parameter “Display history” allows to define whether the history of changes appears in a section or in a dialog box.
• If the value “On request” is set, the button appears on the detail header window.
• Click on to display the history of changes.
• If the value “Yes” is set, the “Change history” section appears in the detail window.

![Fig. 46: Dialog box - History of changes](image)

**Show/Hide work**
- This button allows to show or hide work changes done in “Real Work Allocation”.
- For section “Change history” the display of work is defined in user parameter “Display history”.

**Show / hide the checklist**
This button is only displayed if the “display checklist” parameter in the user settings is set to “on request” status

**More details: Checklists**

**Drop file area**
This area allows to add an attachment file to the item.
- Drop the file in the area.
- Or click on the area to select a file.

**Text editor**
Text editors are available for editing of long text fields like description, results, notes, …
Selection of text editor can be done in User and Global parameters screens.

**CK Editor**
The most advanced web editor.
Spell checker available with this text editor.
Possibility to deactivate the SCAYT spell checker. It can be modified by each user in user parameters.

5.1. Graphical User Interface
Fig. 47: CK Editor - Ability to resize the CK Editor height, the size is saved

CK editor inline
As CK Editor.
Activated only when needed.

Note:
• CK editor inline height, keep the size of CK editor.
• Click on the text zone to display toolbar.
• Can not use it in fullscreen mode.

Plain text editor
• Conventional text input.
• Text zone is extendable.

Sections
• The fields are regrouped under a section.
• All sections can be folded or unfolded, clicking on the section title.

Columns
The sections are organized in columns.
Number of displayed columns can be defined in user parameters.

Common sections
Some sections are displayed on almost all screens. (See: Common sections)

Item count in the list
When the section contains a list, the item count is displayed at right of the header.

Fig. 48: Header section
Thumbnails on items in the list

Thumbnails are displayed on item row to present field values in graphical format.

See: Thumbnails.

Go to selected item

In a list, possibility to go directly to an item by clicking on its fields.

Cursor change to on clickable fields.

Special fields

Accelerator buttons

ProjeQtOr provides you with shortcut buttons allowing you to more easily and quickly manage the information in the fields.

Move to the next status

This button allows to skip to the next status without having to open the list. The next status is defined by the workflow linked to the type of element.

Fig. 49: Move to next status

The mouse tracking over this colored button allows to show the workflow.

It is possible to define events when a state passes.

If a field is required for the transition from one state to another then you will be automatically redirected to the required field.

Regardless of the layout and presentation of your screens

Assign to me button

This button allows to set the current user in the related field.

Fig. 50: Combo list

Combo list field

Combo list field allows to search, view or create item associated with the field.

The access to view or create item depends on your access rights. Some buttons can be not available.

Fig. 50: Combo list

- Click on will directly go to the selected item.
- Click on to display the details of the selected item.
- Click on to directly add a new element corresponding to the selected field.
• Click on \( \text{🔍} \) to search for an element among those existing corresponding to the selected field.

![Fig. 51: Dialog box - Item search](image)

• Click on \( \checkmark \) to re-select an item.
• Click on \( \text{↻} \) to close the dialog box.
• Click on \( \text{-filter} \) to filter the items list

Some elements is possible to select several items, use Control or Shift.

**Origin field**

The origin of an element has no impact on it.
This is a memo, pure information.
It can be filled in automatically during a copy or manually.

![Fig. 52: Origin field](image)

• This field allows to determine the element of origin.
• The origin is used to keep track of events (ex.: order from quote, action from meeting).
• The origin may be selected manually or automatically inserted during copying an element.

Origin element

- Click on \( \text{➕} \) to add a orgin element.
- Click on \( \text{➖} \) to delete the link.
Choose the type of element from the drop-down list.
Select the item from the corresponding list.

Set color field

- This field allows to set the color of an item.
- Used to differentiate items in list or report.
- Click on list of colors to select.
- Click on “Reset” button to erase.

- Displays a colored circle for field colorable.
- Some list of values has a field to define a color.
- A color is defined for each value.
**Thumbnails**

Thumbnails are a graphical representation of the field value.

**Date**
- Displays the date of creation or update of the item.
- Move cursor over thumbnail to display the date.
  - The item has been created or updated today.
  - The item has been created or updated recently.

**User**
- Portrait of the user. Displays if it has created or updated an item.
- If no photo is saved, an icon will automatically be generated.
- The letter is chosen according to the real name. This is his initial.
- Move the cursor over the thumbnail to display the user's name and photo in its original size.
- The user who does not have a photo automatically obtains a thumbnail with the first letter that makes up the real name.

<table>
<thead>
<tr>
<th>id</th>
<th>user name</th>
<th>photo</th>
<th>profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>member3</td>
<td>A</td>
<td>Project Member</td>
</tr>
<tr>
<td>8</td>
<td>member2</td>
<td>A</td>
<td>Project Member</td>
</tr>
<tr>
<td>6</td>
<td>external2</td>
<td>E</td>
<td>External Project Leader</td>
</tr>
<tr>
<td>5</td>
<td>external1</td>
<td>E</td>
<td>External Project Leader</td>
</tr>
<tr>
<td>4</td>
<td>member1</td>
<td>A</td>
<td>Project Member</td>
</tr>
<tr>
<td>3</td>
<td>manager</td>
<td>P</td>
<td>Project Leader</td>
</tr>
<tr>
<td>2</td>
<td>guest</td>
<td>G</td>
<td>Project Guest</td>
</tr>
</tbody>
</table>

Fig. 55: list of users without personal photo

**Comment**
- Indicates a comment or description is defined.
- to add a new note or comment
- Move cursor over thumbnail to display text.

**Privacy**
Indicates the visibility level defined in a note or attachment.
- Private contents.
Visible to team.

**Message pop-up**

Users may receive messages pop-up, displayed on the bottom right corner of the screen.

Three kinds of message may be displayed:

- Information
- Warning
- Alert

![Warning - Ticket #3](image)

**Action on message pop-up**

**Three possible actions:**

- Select to remind you in a given number of minutes (message will close and appear again in the given number of minutes).
- Mark it as read to definitively hide it.
- Mark as read all remaining alerts (the number appears on the button).

**Note:** On Alerts screen, the user can read the alert messages marked as read.

**Alert on detail window**

On indicatable items, you may see a small icon on top left of the detail of the item. Just move the mouse over the icon to display, which indicator has been raised.
5.2 Common sections

Some sections are displayed on almost all screens in the detail area.

Those sections allows to set information or add information to an item of the element.

**Interface areas:**

- **Description section**
- **Allocations section [Project]**
- **Assignment section [Activity]**
- **Treatment section**
- **Configuration**
- **Sub-Project and Sub-Activity**
- **Predecessor and Successor**
- **Progress section**
- **Linked Elements section**
- **Attachments section**
- **Notes section**
Fig. 58: A view of ProjeQtOr’s global interface
5.2.1 Description section

This section allows to identify items of the element.

Each element has its own description section. The description fields are not the same depending on the element or even its type.

Most of the fields available for each element offer the possibility of having a search view and an accelerator to access other elements.

See: Combo list fields

5.2.2 Allocations section

This section allows to manage resource allocation to projects.

![Allocations to projects](image)

Fig. 59: Allocation section

Allocate users that are not resources not contacts

This section allows to manage resource allocation to projects.

Concepts

- Profiles definition
- Allocation to project
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the allocation.</td>
</tr>
<tr>
<td>Resource</td>
<td>Name of the allocated resource.</td>
</tr>
<tr>
<td>Profile</td>
<td>Selected profile. Determine the profile on this project. A resource can have a different profile on each of the projects to which it is assigned.</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date of allocation. The software will take these dates into account for the work calculation.</td>
</tr>
<tr>
<td>End date</td>
<td>End date of allocation. The software will take these dates into account for the work calculation.</td>
</tr>
<tr>
<td>Rate</td>
<td>Allocation rate for the project (%)</td>
</tr>
</tbody>
</table>

- Click on + to create a new allocation.
- Click on to allocate a team on the project.
- Click on to allocate an organization on the project.
- Click on to update an existing allocation.
- Click on to delete the corresponding allocation.
- Click on to replace resource on the corresponding allocation.

Closed allocation are indicated with a gray background.

An alert is generated when deleting self allocation.

The contact and users sections only display those who only have this role.

A special icon is placed on resource rows representing a pool of resources.

Click on the resource name to go directly to the selected resource.

Allocation rate

The allocation rate on the resource calculates the percentage of allocation to be taken into account for the planning according to the calendar of the resource.

For example, if the resource has a standard France calendar, then the resource works 5 days a week.

- His assignment rate on the project is 100%, the resource can be scheduled without a ceiling and can possibly work on this project up to 5 days a week.
- His assignment rate on the project is 50%, so the resource can be scheduled for a maximum of 2.5 days per week on this project.
- His assignment rate on the project is 20% so the resource can be scheduled for a maximum of 1 day per week on the project.

Replace resource

- Replace resource on an allocation: all tasks assigned will be transferred to the new resource with assigned and left work.
- Work done on tasks still belongs the old resource.

5.2. Common sections
Fig. 60: Replace allocation dialog window

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource</td>
<td>Resource list.</td>
</tr>
<tr>
<td>Capacity (FTE)</td>
<td>The capacity of the resource selected</td>
</tr>
<tr>
<td>Profile</td>
<td>Profile list.</td>
</tr>
<tr>
<td>Rate</td>
<td>Rate (in %) of the allocation to the project</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date of allocation</td>
</tr>
<tr>
<td>End date</td>
<td>End date of allocation</td>
</tr>
</tbody>
</table>

5.2.3 Assignment section

**Concepts**

- Resource function and cost
- Period & Rate selection

This section allows to manage assignment of resources to tasks.

Assigning a resource to a task allows you to define its function on the latter and its daily cost (if defined when creating the resource) according to the workload you assign to it.

A screen dedicated to assignments is available to display all assignments combined.
5.2. Common sections

Fig. 61: Activity page with table of assignments

Fig. 62: Assignment screen

Fig. 63: Assignment section
Table 3: Fields of assignment list

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource</td>
<td>Name of the resource assigned to the task.</td>
</tr>
<tr>
<td>Rate (%)</td>
<td>Rate planned for this resource to the task.</td>
</tr>
<tr>
<td>Assigned</td>
<td>The work initially planned for this resource to the task.</td>
</tr>
<tr>
<td>Real</td>
<td>Sum of work done by this resource to the task.</td>
</tr>
<tr>
<td>Left</td>
<td>Remaining work to this resource to complete the task.</td>
</tr>
</tbody>
</table>

- Only project resources can be assigned to project tasks.
- The responsible is added in the assignments automatically if no resource is assigned (global parameter)
- If actual work exists for an assignment, it cannot be deleted.

On the table
- Switch automatic assignment of the project team
  When you toggle this button, the project allocations are automatically added to the assignment table. If a new allocation is made later, then the list of assignments is updated automatically. If a resource is deleted or closed from the allocation then it will be automatically closed from the assignments.
- Click on \(\text{.resource}\) to delete the assignments without assigned work
- Click on \(\text{staff}\) to delete all the assignments

In the table
- Click on \(\text{resource}\) to assign a new resource.
- Click on \(\text{assign}\) to assign an entire team to the activity
- Click on \(\text{assign}\) to assign an entire organization to the activity
- Click on \(\text{assign}\) to assign a pool of resources to the activity
- Click on \(\text{modify}\) to modify the assignment.
- Click on \(\text{delete}\) to delete the assignment.
- Click on \(\text{divide}\) to divide the assignment (two equal parts between two resources)
- Click on \(\text{allocation}\) to go directly to the allocation sheet for this resource. You may have this button at the top of the assignment area if you are assigned to the item yourself.
- Click on the name of the resource to access the details on the resource screen.
- The closed assignments are displayed on a gray background.
- A special icon is placed on resource rows representing a pool of resources.
- A resource can be assigned in the table without having a workload.
- A resource that defers a task because it does not have the necessary availability and its planned assignment date is greater than the committed date then the remaining assigned work field turns red for this resource.
Add a new assignment

Fig. 64: Planned assignment date is greater than the validated date

Fig. 65: Assignment dialog box
Table 4: Fields - Assignment dialog box

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource</td>
<td>Resource list.</td>
</tr>
<tr>
<td>Function</td>
<td>Function list. The main function defined for the resource will be displayed first.</td>
</tr>
<tr>
<td>Cost</td>
<td>Daily cost defined for the resource and its function.</td>
</tr>
<tr>
<td>Rate</td>
<td>The max rate (%) to plan the resource on the task by day.</td>
</tr>
<tr>
<td>Assigned work</td>
<td>The work initially planned for this resource to the task.</td>
</tr>
<tr>
<td>Real work</td>
<td>Sum of work done by this resource to the task.</td>
</tr>
<tr>
<td>Left work</td>
<td>Remaining work to this resource to complete the task.</td>
</tr>
<tr>
<td>Reassessed work</td>
<td>The new total work planned to complete the task.</td>
</tr>
</tbody>
</table>

```
[Left work] = [Assigned Work] – [Real Work]
[Reassessed work] = [Real Work] + [Left Work]
```

| Comments       | Any comment on the allocation. When a comment exists, ![icon] will appear on the assignment list, and on the description of the activity on the "real work allocation" screen. Moving the mouse over the icon will display the comment. |

**Assignment rate**

The assignment rate on the resource calculates the percentage of assignment to take into account for the planning according to the FTE of the resource.

For example, if the resource has an FTE of 1 then the resource works the whole day.

- Its assignment rate on the activity is 100%, the resource may be planned without a ceiling and may possibly work full days on this project.
- Its activity assignment rate is 50%, so the resource can be planned for a maximum of 0.5 per day.
- Its assignment rate on the activity is 20% so the resource can be planned 0.2 per day at most.

**Multiple assignment to a task**

- A resource can be assigned more than once to a task.
- Allows to assign the resource to the same task with a different function (different daily cost).
- Allows to add extra work without modifying initial assignment.

**Automatic assignment to a task**

You can automatically assign the entire project team (all the resources assigned to the project) to a given activity.

This assignment is dynamic, when you add a resource to the project it is automatically added to the activity.

- Switch the button to automatically assign the resources of the project to the activity.
- The entire project team will be added to the assignment table.
  - We only take into account the resources assigned directly to the project of the activity, not the parent project,
  - The allocation must not be closed
  - The assignment function is the default function of the resource
  - Rated load is zero
  - Assignment rate is 100%

**Important:** Only Resources assigned to the project are assigned, not users or contacts who are not also resources.

- If you remove a resource from the assignment, that resource is not removed from the project.
• Automatic assignment does not generate duplicates. If a resource already exists in the assignments, its assignment is not duplicated.

• On the other hand, if the assignment is closed it will be reopened (if the activity is not itself closed).

• If the allocation of the resource on the project is deleted or closed then the assignment on the activity is automatically closed so that resources can no longer be attributed to the activity even if the resource has work remaining.

**Note:** When this option is unchecked, the assignments will not be deleted (there is no way to know if the assignment was generated dynamically or manually). Only the automation for newly assigned Resources will be disabled.

#### Recurrent mode assignment

The recurring planning mode is the only mode that, by default, covers the entire duration of the project. If the project is lengthened, then the task in recurring mode will lengthen accordingly.

![Fig. 66: Recurring assignment](image)

During the assignment, you distribute the workload of your resource on a weekly basis. You can enter a different value for each day of the week.

The **copy** is an accelerator to copy the entered value on Monday every other day.

The total load will be calculated after validation according to the duration of your project and the assigned times.
Warning:

- It is a priority planning method.
- Using this mode can add a significant workload!

Planned Interventions assignment

The assigned workload is no longer determined but will be entered on a calendar which can be clicked, per half-day.

See: Planned interventions assignment

Display Manual planning calendar

- Click on $+$ to add a new assignment.
- To see the workload distribution table, select the resource and confirm. Then click on the edit button.
  - If the assignment already exists, click directly on the $\mathbb{E}$.
  - The calendar will then be displayed in the assignment window.
- The display starts in the current month and spans the next six months.
- Each box is divided into two half days. The assigned work is then automatically the sum of the selected half-days.

![Assignment](image)

Fig. 67: Assignment with the Manual planning mode
The workload saved in this window will be displayed to the planned interventions screen.

Distribution of the workload for a new assignment

- click on a box to enter a workload.
  Depending on the global parameter, this workload will be either planned work or real work.
- Each day is represented by two half-days (am and pm)
- You can plan for the 6 months following the date of the assignment
- The half-days filled in will be visible on the screen of planned interventions
- Save this data with the save button

Activity on real time

When you check the activity option at the time spent on an activity then several fields will no longer be accessible and a recalculation of the load will be carried out:

- Recalculation of the rated load = revised load when modifying the remainder to be done
- Recalculation of the remainder to be done = rated load - actual load when changing the assigned load. This is the existing operation in all cases
- Prohibition to modify the assigned load to a value lower than the actual load. You will then have a blocking message

5.2.4 Treatment section

This section contains information on the treatment of articles, i.e., on the life and progress of the element.

It usually contains status information, macro reports, situations or those responsible for the work of this element.

Fig. 68: Treatment section for project

Depending on the item, this section may display different fields.

All the lists in this section are customizable.
Project tracking settings

This part of the section allows you to follow your project in a more visual way.

Fig. 69: Project tracking settings

On the Today screen, you can see this information in the scope of the numbers counted in the Project Section.

Fig. 70: scope of the numbers counted in the project section on Today screen

Macro status

The macros states work thanks to levers.

Several states are populated directly based on the information you record.

- **in progress**
  The field is filled in when you fill in the first charge on your timesheet.
  Please note, the date recorded in the in progress field is the date on which the charge is entered and not the day on which it is entered.
- **Done**
  The field is filled in when you fill in the last charge on your timesheet.
  The remaining time MUST therefore be at 0 for this field to be completed.
- **Closed**
  The field is filled in when you close an element
- **Cancelled**
  The field is filled in when you cancel the element via the status of your workflow
Other options

ProjeQtOr offers you several options to build your projects, protect them, or even pause them depending on the hazards you may encounter.

Fix planning

• The project is never re-calculated.
• It means the planning will always be the same whatever you do on other projects.

**Important**: This may lead to dependencies unconsistency.

Paused

• Available on projects and activities.
• The planning is never recalculated.
• Unlike “fix planning”, the current planning for the project is erased.
• This is used to postpone the project to an undetermined date.

Non extendable project

• You can’t add new elements to this project.
• You can’t delete elements from this project.
• You can’t move elements from/to this project.

Under construction

• The resource don’t see it on timesheet.
• The alerts are not generated
• Emails are not sent.

Exclude from global plan

• Do not show the **not plannable** items for this project on the global planning view.
• This means that only “standard” planning items will be displayed. Excluding actions, decisions, deliveries…

Validated work treatment

• Activates treatment of the validated work based on the sum of the work of the project orders.
• Otherwise it will be calculated on the sum of the validated work of the activities

5.2.5 Working hours

![Working hours](image)

Fig. 71: Working hours section for the project
Section visible if you have enabled the global setting to apply working hours to projects.
You can enter different times for each project.
These times will then be used for the automatisms using the delays.
See: Global parameters
See: Delay for tickets

5.2.6 Configuration section

Fig. 72: Configuration section

You can view the products and product versions related to this project.
Click on the product name or product version to go to their respective screens.
See: Configuration Management

5.2.7 Progress section

This section allows all at once, define planning and follow-up the progress.
All planning elements have a progress section.
Description of the different sections is grouped by the planning elements that have common fields and behavior.
Progress data are displayed in the same format, but according to the planning element, fields can have another meaning or behavior.
Below is the definition of the different columns that make up the Progress section.

Dates and duration

The dates and durations section allow you to record and display different time information on your element.
### Progress

**Dates and durations**

<table>
<thead>
<tr>
<th></th>
<th>validated</th>
<th>planned</th>
<th>real</th>
<th>requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>start date</td>
<td>01/18/2021</td>
<td>01/01/2021</td>
<td>01/18/2021</td>
<td>09/05/2011</td>
</tr>
<tr>
<td>end date</td>
<td>04/07/2021</td>
<td>04/07/2021</td>
<td></td>
<td>08/19/2015</td>
</tr>
</tbody>
</table>

|          |       |       |       | 1 027 d |
| duration | 56 d  | 69 d  |       |  |

**Costs and works**

<table>
<thead>
<tr>
<th></th>
<th>validated</th>
<th>assigned</th>
<th>real</th>
<th>left</th>
<th>reassessed</th>
</tr>
</thead>
<tbody>
<tr>
<td>work</td>
<td>110 d</td>
<td>117,7 d</td>
<td>3 d</td>
<td>127,4 d</td>
<td>130,4 d</td>
</tr>
<tr>
<td>cost</td>
<td>€30,254</td>
<td>€600</td>
<td>€32,864</td>
<td>€33,464</td>
<td>€</td>
</tr>
<tr>
<td>expense</td>
<td>€6,500</td>
<td>€6,297,68</td>
<td>€0</td>
<td>€6,297,68</td>
<td>€</td>
</tr>
<tr>
<td>reserve</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>total cost</td>
<td>0 €</td>
<td>€36,754</td>
<td>€8,897,68</td>
<td>€32,864</td>
<td>€39,761,68</td>
</tr>
</tbody>
</table>

**Technical progress**

|          | 44.29 % | calculated | 140 | consolidated |
| progress |         |            |     |              |

**Steering**

|          | 2 % | expected | 3 % | wbs | 1 |
| progress |     |          |     |     |   |
| Margin   | -20,4 d | -19 % |   |     |   |
| priority | 500 |     | |     | Need replan |

**Revenue**

|          | 0 € | command's | 0 € | invoices | 2 400 € |
| revenue  |     |           |     |          |         |

**Revenue mode**

Variable

---

Fig. 73: Progress section

---

5.2. Common sections

---

303
Validated

Validated dates are used for:

- Define the input parameters according to the selected planning mode - See: Planning mode
- Define the initial due dates as a reference in order to check any drifts in your project.
- Set a deadline by which the work must be completed. You will be able to compare your validated dates with the planned dates of the software to follow the possible drifts of your projects.
- Directly on the project screen, without any other constraint, determines the start of planning for it.
- Are inherited from successors or parents when the task prioritization option is selected and indicated in italics

Planned

Planned dates can be defined with:

**Requested or validated dates**

The planned dates can be initialized with validated dates or requested dates (whether validated dates are not specified).

**Planning calculation**

The planned dates are determined during the planning calculation.

The planning calculation is done according to tasks assigned to resources and their predecessors.

---

**Note:** Planning mode “Fixed duration”

The planned dates of tasks will be calculated depending on their predecessors and their specified duration.

---

**Warning:** Planned dates of parent element

At parent element level, dates are adjusted with the first planned start date and the last planned end date from all sub-elements.

The planned start date is adjusted to the real start date when work began.

The planned dates are calculated by the software. You do not have the possibility to change these dates manually.

These dates are calculated according to the many constraints that you have defined (FTE, Rates, Dependencies, Charges, priorities, availability …).

**Delay display**

If the dates entered in the validated dates are lower than the dates calculated by the software - the planned dates, then the planned end date box is red as well as the bar of the Gantt chart corresponding to the element.

This then reflects a possible delay.
Fig. 74: The planned dates are greater than validated dates

Real

These are the dates of work actually carried out. The work actually charged

The real start date is set when work began (In progress).

The real end date is set when no more remaining work (done).

Note: Real dates of parent element

The real start date will be propagated to parent elements up to project.

The real end date for parent element will be initialized, when all sub-element have been completed.

The real work is actually being done. It is filled via the timesheet screen.

The items containing actual work cannot be deleted.

To enable this, you must first remove the actual work or configure the forced deletion in the specific access.

Requested

Allows you to define forecast dates. These are generally the dates agreed with your client or the beneficiary of your activity.

Unless they are the only indicated, these dates have no impact on the planning.

If no validated date is specified and no constraints are applied then they can initialize the planned dates.

Duration

The durations correspond to the number of days between the start and end dates.

These are always integer values, without decimals!

They are calculated automatically.

But you can also enter a start date and a number of whole days, the end date will be automatically calculated.
Costs and works

The cost of resources is calculated thanks to the workload allocated to each resource on the tasks.
You must fill in a function associated with a daily cost for your resources.
See: Function and cost on the resources screen

Validated

Allows to define scheduled work and budgeted cost of resources.

**Work**
This value is used for calculation of the expected progress and project margin (work).

**Cost**
This value is used for calculation of project margin (cost).

---

**Note:** Project
The values of work and cost can be initialized with the sum of total work and amount of all project orders.
See: Incomes

---

**Assigned**
Sum of planned work assigned to resources and estimated cost.

**Real**
Sum of work done by resources and cost incurred.

**Left**
Sum of estimated remaining work to complete tasks and ensuing costs.
Left work should be re-evaluated by resource while entering the real work on real work allocation screen.
Left work can also be changed on assignment, at project management level.

**Reassessed**
Sum of resource total work that will be needed from start to end and the ensuing costs.

\[
[\text{Reassessed}] = [\text{Real}] + [\text{Left}]
\]

---

**Work on tickets**

- Sum of work done on tickets and costs is included in work of activity linked through the “planning activity” of tickets.
- Sum of work done on tickets that don’t link to any activity will be integrated in the work of the project.
Expense tracking

This section is used by Project.
See: Project reserve

Validated (Expense)

Allows to set the budgeted cost of project expenses.
This value is used for calculation of project margin (cost).

Assigned (Expense)

Project expenses planned.
Sum of “planned amount” for all expenses on project.

Real (Expense)

Project expenses committed.
Sum of “real amount” for all expenses on project.

Left (Expense)

Project expenses not committed yet.
Sum of “planned amount” for expenses for which “real amount” is not defined yet.

Reassessed (Expense)

Spending projections.
Sum of Real + Left

Left (Reserve)

Project reserve.

Note: Total columns
Total is the sum of resources cost, expenses and reserve of their corresponding column.

Technical Progress

The Technical Progress section allows you to display an advancement in units of work.

Warning: To display the technical progression section, which corresponds to an advancement in Unit of Work, you must position the option in the global parameters.
See: Global Parameters

5.2. Common sections
The section technical progress is displayed on **Project** and **Activity** screen. You determine the number of units of work to be performed on the activity. The progress and the rest will be consolidated towards the father project and/or the mother activity.

**Number of units**

As for the dates and durations, you can enter several values for the realization of your units of works.

- **To delivered**
  - Number of units to be delivered.

- **To realise**
  - Number of units to be produced.

- **Realised**
  - Number of units actually produced.

- **Progress**
  - For advancement in unit of work, you can choose the way so it will be evaluated.
    - **Calculated**
      - Progress as a percentage is calculated by software.
    - **Manual**
      - You define yourself the progress of the realization of your units of works.

- **Weight**
  - The weight defines a certain importance on the realization of these units.
  - It determines how the calculation of the progress of the work units will be calculated and consolidated.
    - **Manual**
      - You enter a value manually according to the unit of work to be done.
    - **Unity of work**
      - It is the number of units to deliver or to realize.
Steering

Progress

Percentage of actual progress.
Calculated by the sum of the work done divided by sum of work reassessed.

\[
\text{[Progress \%]} = \frac{\text{real work}}{\text{reassessed work}} \\
= \frac{\text{real work}}{\text{real work} + \text{left work}}
\]

Expected

Percentage of expected progress.
Calculated by the sum of the work done divided by scheduled work.

\[
\text{[Expected \%]} = \frac{\text{real work}}{\text{validated work}}
\]

WBS

Hierarchical position in the global planning.

Priority

Allows to define priority to a project or activity.
By default, the value is set to “500” (medium priority).
1 being the highest priority and 999 the lowest priority.
See: Planning priority.
See: Steering section for activity

Color

You can set a color on an element.
This color will be displayed on the bars of the Gantt chart.

Steering section Activity

Advancement

You can monitor the effectiveness of the progress of your project based on the data entered upstream on the validated dates.

Planning mode

Used by Activity & Test session.
Depending on the planning mode selected, the calculation of your planning will not be executed in the same way.

- See Concepts
- See Planning modes
Minimum threshold

When this value is set, the activity will only be scheduled on the day that the daily availability will be greater than or equal to this threshold.

You also have the option to add a new property to a “not splitted work” task.

This will require defining the minimum work to be allocated each day and thus filling in the minimum threshold field.

Planning will require finding consecutive days with at least the given value possible.

See: Minimum threshold

Fix planning

Fix planning will avoid the recalculation of planning for an activity.

To fix the project see: Treatment section

Paused

When an activity is paused, it is never recalculated.

Unlike fix the planning, the current schedule for the project is purged.

This amounts to postponing the activity to an undetermined date.

When this option is checked, the option fix the planning is automatically checked.
Activity on real time

When you check the option **activity at time spent** then the validated load becomes read-only and the calculation of the validated load equals the revised load.

The option can be disabled manually even if it has been set to the activity type.

The option is incompatible with activities managed by “Work Units” (turnover module). The field will then not be visible and the “Unit of work”, “complexity” and “quantity” fields will be hidden if the “activity over time” option is activated.

It will therefore be necessary to deactivate the option to make these fields reappear.

See: Planning Activity

Ticket

<table>
<thead>
<tr>
<th>number</th>
<th>estimated</th>
<th>real</th>
<th>left</th>
</tr>
</thead>
<tbody>
<tr>
<td>ticket</td>
<td>3</td>
<td>1.6</td>
<td>1.2</td>
</tr>
</tbody>
</table>

Fig. 77: Attached tickets

Allows tracking of tickets attached to the activity through the “planning activity” field of tickets.

Field Estimated and Left

The Estimated field will be highlighted when the sum of estimated work on the tickets is higher than the planned work on the activity.

The Left field will be highlighted when the sum of remaining work on the tickets is higher than the remaining planned work on the activity.

Show tickets attached

- Click on to show ticket list attached to the activity.
- Click on a ticket name to directly move to it.

Fig. 78: List of tickets

Planning activity

Planning activity field allows to link the ticket with a planning activity

See: Planning Activity
Steering section Project

Fig. 79: Steering section on Project screen

Margin

The margin is only displayed in the control section of the project screen.

Margin (work)

Used by Project.

Calculated by the scheduled work minus the sum of work reassessed.

\[
[\text{Margin}] = [\text{Validated work}] - [\text{Reassessed work}]
\]

\[
[\text{Margin(\%)}] = \left( \frac{[\text{Validated work}] - [\text{Reassessed work}]}{[\text{Validated work}]} \right)
\]

Margin (cost)

Calculated by the budgeted cost (resource & expense) minus the total of reassessed cost.

\[
[\text{Margin}] = [\text{Validated cost}] - [\text{Reassessed cost}]
\]

\[
[\text{Margin(\%)}] = \left( \frac{[\text{Validated cost}] - [\text{Reassessed cost}]}{[\text{Validated cost}]} \right)
\]

Progress section Milestone

Fig. 80: Steering section on milestone screen

This section allows to define planning and follow progress on a milestone.
Requested

Allows to define the initial due date for the milestone.
Have no impact on planning.

Validated

Allows to define the due date at which the milestone must be completed.

Planned

Defined according to the selected planning mode.

**Fixed milestone**
- Planned due date is the value from validated due date field.
- The milestone will not move, and may have successors.

**Floating milestone**
- Calculation of planned due date takes into account dependencies with tasks.
- The milestone will move depending on predecessors.

Real

Determined when the status of the milestone is “done”.

Planning mode

Fixed milestone
Floating milestone

**Note:** A milestone has no duration, so there are no start and end dates for a milestone, just a single date.

WBS

Hierarchical position of the milestone in the global planning.

Color

You can set a color on a milestone.
This color will be displayed on the bars of the Gantt chart.
**Progress section Meeting**

Fig. 81: Steering section on meeting screen

This section allows to define priority and follow progress on a meeting.

- **Validated**
  - Allows to define scheduled work and budgeted cost.
  - Used to consolidate validated work and cost to the project.

- **Assigned**
  - Sum of planned work assigned to attendees and the planned cost.

- **Real**
  - Sum of work done by attendees and the cost.

- **Left**
  - Sum of planned work remaining and the remaining amount.

- **Color**
  - You can set a color on a meeting.
  - This color will be displayed on the bars of the Gantt chart.
5.2.8 Sub-Project and Sub-Activity

On the projects screen, this section allows you to display the sub-projects and their status linked to the selected one.

Click on the name of the sub-project to access its dedicated screen.

![Fig. 82: Display of sub projects](image)

In the same way, you can display on the activities screen, the sub-activities linked to the selected activity.

Click on the name of the sub-activity to access its dedicated screen.

![Fig. 83: Display of sub activities](image)

5.2.9 Todo list

You can create subtasks or steps for the selected items.

![Fig. 84: Todo list](image)
For each completed line, a new line appears after. You can register up to 4000 characters.

You can specify the urgency, the person in charge and the state of the point to be treated.

You can close a point to be addressed. It disappears from the lists. Display it again using the “closed” switch button.

You can reorganize the list using the handles in front of the name of the point to be processed.

To delete a line, completely delete the text and validate after the deletion popup.

If the element has a manager defined, then it is automatically filled in as manager for each line created.

If the behavior of the item type was defined with the parameter “todo list required on done status” then the change of status to done is impossible if the items of the to-do lists are not all set to “done”.

the todo list is an element who can be copied in the copy options of an activity.

**Todo list screen**

A screen dedicated to the point to be treated is available in the steering menu.

- You then have access to all your lists, all elements included.
- Filters are available to restrict the display of these. including the direct display of the version in the form of a listbox, with the possibility of changing the value of the element.
- You display the color of the item’s state.
5.2.10 Predecessor and Successor

This section allows to manage dependency link between planning elements. A dependency can be created from the predecessor and/or successor planning element. The dependency link can be created in the Gantt chart. Click on the name of a predecessor or successor to go directly to the element.

See also:
- Dependencies
- Milestones

![Fig. 86: Predecessor and Successor section](image)

- Click on the corresponding section to add a dependency link.
- Click on to edit the dependency link.
- Click on to delete the corresponding dependency link.

In the NAME field, icons are displayed to indicate the type of dependencies:
- End End dependency
- End start dependency
- Start start dependency

Note: Recursive loops are controlled on saving.

Linked element list of values

By default, the list of values shows items of the same project. But, it is possible to link items from different projects. Click on to get the list of elements of all projects.

Multi-value selection

Multi-line selection is possible using Control or Shift key while clicking.

Delay (late)

Days between predecessor end and successor start.

![Fig. 87: highlighting the date](image)

Highlighting the date that will most constrain the next activity
5.2.11 Linked Elements section

This section allows to manage link between ProjeQtOr elements.

![Linked Elements section](image)

You associate items on different elements in the same project. A project can be linked with other. Click on an item name to directly move to it.

- Click on + to create a new link.
- Click on - to delete the corresponding link.
- Click on down to download the document
- Click on EDIT to edit the comment linked to the element

Reciprocally interrelated

If Item A is linked to Item B, Item B is automatically linked to Item A. A link between items has no impact on them treatment.

Linked element list of values

By default, the list of values shows items of the same project. But, it is possible to link items from different projects.

Click on to get the list of elements of all projects.

Link with Document

![Add a new link to a document](image)
When a link to a document is selected. The document version can be selected.

Linked documents are available directly in linked elements list.

Specified version
A link with a document element offer the possibility to select a specific version.
A direct link to version of the document is created.

Not specified version
If the version is not specified, the last version will be selected.
The download will transfer always the last version of the document.
5.2.12 Attachments section

This section allows you to attach files or hyperlinks to the selected item.

You can attach all types of files

Add a new file

There are several ways to add a file.

- In the section table of attached files
  - Click on \( \overline{+} \) to add an attachment file to an item.
  - Click on \( \overline{-} \) to add a hyperlink to an item.
- In the attached files area in the toolbar of the details area
- Directly on the detail area of the element by dragging and dropping

Filled in the description to give a name to the document will be attached.

Hover over the icon \( \overline{\text{Icon}} \) to see the exact name of the document. Otherwise, the exact name of the document will be displayed.

- Click on \( \overline{\text{Icon}} \) to remove an attachment.
- Click on \( \overline{\text{Icon}} \) to download the attached file.
- Click on \( \overline{\text{Icon}} \) to access the hyperlink.
- Click on \( \overline{\text{Icon}} \) to edit the comment attached to the element

You can select one or more files of different types with the shortcuts CTRL when the files are not consecutive or SHIFT for those that follow.
Download a file
Attachments are stored on the server side.
The attachment directory is defined in: ref:Global Settings<file-directory-section>.

5.2.13 Notes section

This section allows to add notes on items of elements.
Notes are comments, that can be shared to track some information or progress.

- Click on + to add a note to an item.
- Click on to edit the note.
- Click on to delete the note.

Predefined note
The list of values appears whether a predefined note exists for an element or an element type.
Selecting a predefined note will automatically fill in the note text field.
Predefined notes are defined in Predefined notes.

Note visibility
- **Public**: Visible by all members assigned to the project.
- **Team**: Visible to every member of the creator’s team.
- **Private**: Visible only to the creator.
PLANNING AND FOLLOW-UP

ProjeQtOr provides all the elements needed to build a planning from workload, constraints between tasks and resources availability.

The main activity of Project Leader is to measure progress, analyse situation and take decisions. In order to ease his work, ProjeQtOr provides several reporting tools, from the well know Gantt chart, to many reports.

6.1 Start Guide

The Started Guide helps you start a brand new session that is still empty.

This allows you to add the main elements needed to start planning your projects.

When you have not yet added an element, the element blocks are empty and indicate 0 elements

As you start filling in items, the blocks will display the number of items saved and a clickable list of what you have filled in.

- Click on + to add a new element.
- Click on ↑ to import a new element.

each recorded element is clickable and you go directly to the screen dedicated to this element.
6.2 Planning elements

The planning elements Test sessions and Meetings are described in their topics.

6.2.1 Project

The project is the primary entity of ProjeQtOr.
It is also the top-level of visibility, depending on profiles.

Sub-projects

- You can define sub-projects on any project and this unlimited.
- On the parent project screen, you can view the children in the subproject section.
- Then, the projects may not be real projects, but just organizational breakdown corresponding to an organization.

Project type

There are 3 types of projects which are not managed in the same way.
- Operational projects for work planning,
- Administrative projects for recording unavailability
- Template projects which will serve as models to be recovered.

See: project type
Fix planning

- When the “correct planning” box is checked, the project planning will not be recalculated.
- This avoids modifying the expected values.
- Planning will always be the same no matter what you do on other projects.

**Warning:** This may lead to dependencies unconsistancies

Non extendable project

When project perimeter is fixed you can’t:

- add new elements to this project
- delete elements from this project
- move elements to or from this project

Under construction

- When a project is under construction, no automatic emails will be sent, no notifications or alerts will be generated for the project elements.
- A project can be under construction as long as it isn’t stated. Set to In progress status.
- The resources don’t see it on timesheet.

Exclude from global plan

- Do not show the not plannable items for this project on the global planning view.
- This means that only standard planning items will be displayed excluding:
  - Actions
  - Decisions
  - Deliveries

Validated work treatment

Activates treatment of the validated work based on the sum of the work of the project orders otherwise it will be calculated on the sum of the validated work of the activities.

Manual indicators

- Fields: Health status, Quality level, Trend and Overall progress are manual indicators.
- They allow define visual way the general health, conformity, trend and progress of the project.
- Some manual indicators are displayed on the Today screen.
Special fields

• The value of the fields the Project name, Sponsor, Project code and Contract code can be used as the substitute value of special fields.

  • See: Special Fields

Monitoring indicator

• The indicators can be defined on the progress data.

Do not start project before Validated Start Date

• The schedule should only start from this date, as if there was a fixed milestone preceding the project.

• Resources cannot be charged to the project before the specified date (as with a project under construction).

• This option must be enabled in the global parameters.

Project reserve

• Project reserve is an amount reserved based on identifying Risks and Opportunity.

• Calculated from contingency reserve of risks minus potential gain of opportunities.

• ProjeQtOr uses a technique as “Expected monetary value (EMV)” to convert risks and opportunities into an amount.

• The amount of project reserve will be added to remaining amount.
Section Description

Other sections

- Progress
- Allocations
- Versions linked to this project
- Types restrictions
- Predecessor and Successor
- Linked element
- Attachments
- Notes

Table 1: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the project.</td>
</tr>
<tr>
<td>Name</td>
<td>Short name of the project.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of project.</td>
</tr>
<tr>
<td>Organization</td>
<td>The organization of the project.</td>
</tr>
<tr>
<td>Customer</td>
<td>The customer of the project.</td>
</tr>
<tr>
<td>Bill contact</td>
<td>Billing contact.</td>
</tr>
<tr>
<td>Project code</td>
<td>Code of the project.</td>
</tr>
<tr>
<td>Contract code</td>
<td>Code of the contract of the project.</td>
</tr>
<tr>
<td>Customer code</td>
<td>Code of the customer of the project.</td>
</tr>
<tr>
<td>Is sub-project of</td>
<td>Name of the top project if this project is a sub-project.</td>
</tr>
<tr>
<td>Sponsor</td>
<td>Name of the sponsor of the project.</td>
</tr>
<tr>
<td>Manager</td>
<td>Name of the resource who manages the project.</td>
</tr>
<tr>
<td>Color</td>
<td>Color of the project, to be displayed in some reports.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the project.</td>
</tr>
<tr>
<td>Objectives</td>
<td>Objectives of the project.</td>
</tr>
</tbody>
</table>

Field Customer

The value of the field is used in the Quotations, Orders and Invoices concerned with the project.

Field Bill contact

The value of the field is used in Invoices concerned with the project.
### Section treatment

Table 2: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual <em>status</em> of the project.</td>
</tr>
<tr>
<td>Health status</td>
<td>Global health status of the project.</td>
</tr>
<tr>
<td>Quality level</td>
<td>Estimation of quality level of project (result of audits).</td>
</tr>
<tr>
<td>Trend</td>
<td>Trend of global project health.</td>
</tr>
<tr>
<td>Overall progress</td>
<td>Overall progress to be selected in a defined list.</td>
</tr>
<tr>
<td>Fix planning</td>
<td>Box checked indicates the planning of the project is frozen, and its sub-projects.</td>
</tr>
<tr>
<td>Non extendable project</td>
<td>When project perimeter is fixed you can’t add or delete elements to this project, move elements to or from this project.</td>
</tr>
<tr>
<td>Under construction</td>
<td>Box checked indicates the project is under construction.</td>
</tr>
<tr>
<td>Exclude from global plan</td>
<td>Do not show the not plannable items for this project on the global planning view. This means that only standard planning items will be displayed excluding actions, decisions, deliveries.</td>
</tr>
<tr>
<td>Validated work treatment</td>
<td>Activates treatment of the validated work based on the sum of the work of the project orders otherwise it will be calculated on the sum of the validated work of the activities.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the project is begun.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the project is finished.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the project is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the project is cancelled.</td>
</tr>
</tbody>
</table>
6.2.2 Activity

An activity is a kind of task that must be planned, or that regroups other activities.

An activity can be:
- Planned tasks.
- Change requests.
- Phases.
- Deliveries.
- Versions or releases.

Assigned resources

- Resources are assigned to activities.
- During an assignation, some work is initially planned on this activity for the resource.

Real work allocation

- For a resource, assigned activities are tasks in which he can entry the Real work.

Parent activities

- Activities can have parents to regroup activities or planned tasks.
- Activities can be sorted inside their parent activity, on the Gantt planning view, using drag and drop in the list area.
- Parent activity must belong to the same project.
- When a parent activity contains an assignment with a workload then the planning mode applied does not correspond to any of those proposed in the list of planning modes.
- On a parent activity the planning mode is no longer displayed.

Example with a parent activity with no load and 2 sub-activities with 10 days of load for each of the resources (analyst 1 and analyst 2).

In this case, the parent activity is the result of the sub-activities that compose it.

If workload is entered for a resource on a parent activity, and this resource is also scheduled on child activities, then the total of this workload will be displayed on the parent activity for this resource.
The dates and durations section display the result

<table>
<thead>
<tr>
<th>Assignment</th>
<th>closed</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>automatic assignment of the project team</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>resource</th>
<th>rate</th>
<th>assigned (d)</th>
<th>real (d)</th>
<th>left (d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>analyst A (Analyste)</td>
<td>100%</td>
<td>10</td>
<td>0,00</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Progress</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dates and durations</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>start date</th>
<th>validated</th>
<th>planned</th>
<th>real</th>
<th>requested</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13/12/2022</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>end date</th>
<th>validated</th>
<th>planned</th>
<th>real</th>
<th>requested</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>09/01/2023</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>duration</th>
<th>validated</th>
<th>planned</th>
<th>real</th>
<th>requested</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>20</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Fig. 6: Dates and durations section on parent activity

The dates and duration section of the activity shows the overall load for a resource.

20 workload days = 10 workload days for Analyst A for parent activity + 10 workload days for Analyst A for activity A.

The mother activity, even if it has priority in relation to its position in the WBS, will distribute the workload assigned for the resource after the workload on the sub-activities.

**Activity planning: work on tickets**

- *Tickets* can be linked to an activity (task).
- Work on tickets will be included in the activity.

**Assignment of resources to task**

- Resources who will work on the ticket doesn’t need to be assigned to linked activity before.
- The assignment will be automatically created once that resource has entered the working time (real work) in the ticket.
The assigned task and the sum of working time entries by resource in tickets will be available in its timesheet.

**Fix planning**

- When box “fix planning” is checked, the activity scheduling won’t be remade.
- This will avoid change on planned values.
- The planning will always be the same whatever you do on other projects.

**Warning:** This may lead to dependencies unconsistancies

**Filter on list**

Ability to filter activities by data or type, for instance by assigned resources

**Monitoring indicator**

- The indicators can be defined in the *List of Values*.
- See: *Health status* and *Overall progress*

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Id</strong></td>
<td>Unique Id for the activity.</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Short description of the activity.</td>
</tr>
<tr>
<td><strong>Activity type</strong></td>
<td>Type of activity.</td>
</tr>
<tr>
<td><strong>Project</strong></td>
<td>The project concerned by the activity.</td>
</tr>
<tr>
<td><strong>External reference</strong></td>
<td>External reference of the activity.</td>
</tr>
<tr>
<td><strong>Requestor</strong></td>
<td>Contact at the origin of the activity.</td>
</tr>
<tr>
<td><strong>Origin</strong></td>
<td>Element which is the origin of the activity.</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Complete description of the activity.</td>
</tr>
</tbody>
</table>
Section Treatment

Table 4: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent activity</td>
<td>Parent activity for grouping purpose.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the activity.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the activity.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the activity is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the activity has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the activity is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the activity is cancelled.</td>
</tr>
<tr>
<td>Target version</td>
<td>The target version of the product allocated in delivery of the activity.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment done on the activity.</td>
</tr>
</tbody>
</table>

Field Target version

- Contains the list of product versions linked to the project.
6.2.3 Milestone

A milestone is a flag in the planning, to point out key dates. Milestones are commonly used to check delivery dates. They can also be used to highlight the transition from one phase to the next. ProjeQtOr offers two types of milestone:

**Floating milestone**
- This milestone will automatically move to take into account dependencies.

**Fixed milestone**
- This milestone is fixed in the planning, not taking into account predecessor dependencies.
- This kind of milestone is interesting, for instance to set-up start date for some tasks.
- Fixed date is set by validated date.

**Monitoring indicator**
- The indicators can be defined in the *List of Values*.
- See: *Health status* and *Overall progress*

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the milestone.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the milestone.</td>
</tr>
<tr>
<td>Milestone type**</td>
<td>Type of milestone.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the milestone.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the milestone.</td>
</tr>
<tr>
<td>Description</td>
<td>Long description of the milestone.</td>
</tr>
</tbody>
</table>
Section Treatment

Table 6: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent activity</td>
<td>Parent activity for grouping purpose.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the milestone.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the milestone.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the milestone is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the milestone has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the milestone is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the milestone is cancelled.</td>
</tr>
<tr>
<td>Target version</td>
<td>The target version of the product allocated in delivery of the milestone.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment done on the milestone.</td>
</tr>
</tbody>
</table>

**Field “Target version”**

- Contains the list of *product versions* linked to the project.

### 6.3 Planning

The Gantt chart is a tool used in scheduling and project management and allowing to visualize in time the various tasks composing a project.

It is a representation of a connected graph, evaluated and oriented, which makes it possible to graphically represent the progress of the project.

**Note:** For large projects, with many sub-projects and activities, we limit the number of lines to display so as not to deteriorate performance, even if the project selector has already contextualized the display.

### 6.3.1 Gantt chart

This screen allows to define projects planning and follow progress.

**The Gantt Chart is composed of five areas:**

**Interface areas:**

- *Toolbar*
- *Timeline*
- *Task List: the WBS struture*
- *Progress data*
- *Gantt chart view*
- *Details area*
6.3. Planning

Fig. 8: Gantt (Planning)

Toolbar

- Activity planning calculation
- Automatique run plan
- Create and display a new baseline
- Create a new planning element
- Advanced filter
- Display the columns
- Planning view options
- Change the layout mode
- Display from... to...
- Display options in Gantt view
- Planning validation
- Display the timeline
- Print and Export
Activity planning calculation

When you make a modification on an element of your project, the project must then be recalculated to take it into account.

You have the option of using the automatic calculation function, which, if you make a modification on the planning screen, and only on this screen, will immediately take this modification into account.

If the modification is made on another screen, even if you have selected automatic calculation then, you will have to restart the calculation on the planning screen.

- Click on $\text{⑩}$ to start the activity planning calculation.
- A popup window appears with the list of projects.
- The check boxes allow you to select one or more projects to recalculate.

If you have selected one or more projects with Project Selector then the selected projects will be automatically checked.

Choose the date on which you want to recalculate the project.

By checking the "Hide unselected projects" box, you will only have the projects selected in the project selector and they will be automatically checked.

Overuse (infinite overbooking capacity)

The overuse option allows you to allocate to all the resources and this, on the projects of your choice, maximum overbooking.

This allows you to see the amount of work that is overused for the resources assigned to the task for each period of time.
The overuse option allows you to allocate to all the resources and this, on the projects of your choice, maximum overbooking.

| Warning: | This function is dangerous, it does not reflect reality. |
| For this reason, by default, it is not activated, even for the administrator. |
| See: Specific access in the Planning section access rights |

### Automatic run plan

Switch the button to activate automatic calculation on each change.

Only works on the Gantt Planning view.

If the modification of an element is carried out on the dedicated screen of the element, then it is necessary to click again on BUTTON to restart the computation.

All modifications about assignment (rate, name or numbers of resources, dates...) done are not displayed on the new planning screen until having, for this purpose, activated the planning calculation, either in an automatic run plan or not.

On the contrary, the screen planning will not change even if modifications have been loaded yet.

**Automatic calculation**

**Differential calculation** = calculation of projects that require a recalculation.

**Complete calculation** = calculation of all projects
The calculations are programmed according to a frequency of CRON type (every minute, every hour, at a given hour every day, at a given time on a given week day, …)

See: Global Parameters into the chapter Automatic planning Calculation

Create a baseline

The baseline is a record of the planning state at a time T.

You can display two baselines on the Gantt chart. Above and below the bars of the Gantt chart.

You can create as many baselines as you want per day, but you can only save one baseline per day. Each new baseline must replace the previous one.

- Saved a baseline with the button 
- Enter the project on which to create the baseline.
- You have possibility to save baselines on all projects.
- The list of existing baselines, already registered, is available via this window.
- You can modify your baseline or delete it to save another one.
- An alert message notifies you when a baseline has already been performed on the current day.

Show baseline

You can display two baselines at the same time. The one above the current activity bars of your project. The other below.

Each of them can be personalized with a different color.

This option will be very useful for you to compare possible drifts and explain them.
Fig. 12: Baseline management
Fig. 13: Error message on baseline management

Fig. 14: Display two baselines
Add a new planning element

- Allows you to create a new planning element.
- The element is then added under the previously selected element and with the same level of incrementation.
- The element is added to the Gantt chart and the detail area adapts to the content created.
- The details area allows you to complete the entry.

![Create a new item](image)

Fig. 15: Popup menu - Create a new item

You can create several elements on the planning view and more on to the Global planning.

Advanced Filter

The advanced filter allows to define clause to filter and sort.
More details: filters

Displayed columns

This functionality allows to define columns displayed in the progress data view.
More details: Display and organize the columns.

Display other options

Clicking the icon will bring up the additional options window.
» Change layout of the screen

You can modify the display of the Planning screen independently of the other screens.

If you choose a vertical display mode globally, you can display the planning view horizontally without modifying the general display.

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» Display from... to...

Change the start and or end date to limit or extend the display of a Gantt Chart.

If the display is truncated because the project is too long, think to change the display scale.

All the projet

Check All the project for the Gantt chart to show all project tasks when possible.

Saving dates

Save your dates of display to retrieve them on every connection.

[back]

» Other options: checkbox for display

You can display or not, certain information on the Gantt chart.

Show WBS

Click on “Show WBS” to display the WBS number before the names.

Fig. 16: Task list without and with WBS Display

[back]
You can apply the color of the project or the plannable element on the left list (representing the WBS).

See: Custom color

Activity colors by type

You can apply the color defined for the activity types directly on the Gantt exactly as when you define it in the management section of your activity.

Resource

The Resource checkbox allows you to directly display the resources assigned to each activity on the Gantt chart.

Fig. 17: color applied to the left part of the gantt chart

Color on left part

You can apply the color of the project or the plannable element on the left list (representing the WBS).

See: Custom color

Activity colors by type

You can apply the color defined for the activity types directly on the Gantt exactly as when you define it in the management section of your activity.

Resource

The Resource checkbox allows you to directly display the resources assigned to each activity on the Gantt chart.

Fig. 18: Display of initials

Fig. 19: Display of name
A user parameter allows you to choose between displaying names or initials. Choose if you want names, initials or nothing to appear on the Gantt chart.

See: Tab Display

Name on bars

You can display the item name directly on the bars.

A bar that is too small will truncate the name.

Critical path

The critical path allows you to determine the total duration of your project. This is the longest sequence of tasks that must be completed for the project to be completed on time.

The Critical Chain, meanwhile, is a technique for planning and monitoring deadlines but has the same principle: take into account the constraints to determine the duration of the project and the critical tasks that may impact this duration. One of these constraints is the taking into account of resource or skill limitations in addition to the dependencies between the tasks and the implementation of buffers, i.e. time reserves, in the critical chain and the secondary chains.

ProjeQtOr offers you a critical chain rather than a critical path, but for better understanding, the term Critical path has been retained.

- click on the critical path check box to calculate and display the red path in the Gantt schedule.
**Note:** The tasks of the project which are not crossed by the critical path are elements which will not affect the duration of the project and, even modified, will not automatically involve a modification of this duration for the entire project.

---

**Project model**

You can display or hide the template type projects in the area list.

**Closed element**

Allows to list closed items on the projects.

**Assignment without left work**

Assignments that have no more to do will no longer be visible on the detail.

![Fig. 22: Hide assignment without left work.](image)

**Lock bar detail**

The detail of the bars is visible with a right click directly on the bars.

By default, this detail showing the dispatch of the planned work for the resources, does not remain displayed when you no longer hover over the bar after the right click.

Activate this option so that the detail remains displayed

**Detail on simply click**

Single-click detail allows you to click on the lines of the WBS without triggering online editing and display the task detail with a single click.

In this mode, you can double-click on a line to activate inline editing.

**Technical progress**

When this option is activated, you display the production progress of your work units on the Gantt bar in the same way as the actual work.

You can display both progress bars at the same time on the same activity bar.
11 Planning validation

Allows you to replace the validated dates with the planned dates.

With this approach, you validate in a way any possible delay on the activities of your project.

Two actions are available: **Always** or **If empty**.

- **Always**
  - Will overwrite existing values.
  - If values are entered in the “validated” fields then, they will all be replaced by the planned dates (calculated by the software)
  - If empty
  - Will not overwrite existing values.
  - If the “validated” fields are not completed, then these dates will be replaced by the planned dates.
  - If the “validated” fields are completed then they will be kept.

12 Timeline options

**Max row in timeline**.

Set the maximum number of lines the timeline should be composed of

**Show/Hide Timeline**

Show or hide the timeline.

See: *project Timeline*
Print and Export the Gantt chart

You can print directly on your printer or export in PDF format or in MS Project format

Print planning

Click on the button to print the Gantt chart in A4 and / or A3 format.

The print quality, despite printing or exporting on a reduced scale, remains very qualitative and offers very little loss of detail in the diagram.

Export planning to PDF

Allows to export planning to PDF format. Export can be done horizontally (landscape) or vertically (portrait) in A4 and / or A3 format with great detail even with a zoom

Export contains all details and links between tasks and also include a pagination.

And the option Repeat Headers allow you to print or export your planning in multiple pages

Fig. 24: Export planning to PDF

This feature will execute export on client side, in your browser. Thus the server will not be heavy loaded like standard PDF export does.

It is highly faster than standard PDF export.

Warning: This technically complex feature is highly dependent on the browser and is not compatible with all of them. It is compatible with the latest versions of IE (v11), Firefox, Edge and Chrome. Otherwise, the old export function will be used.

Tip: Forced feature activation/deactivation

• To enable this feature for all browsers, add the parameter $pdfPlanningBeta='true'; in parameters.php file.

• To disable if for all browsers, add the parameter $pdfPlanningBeta='false'; Default (when $pdfPlanningBeta parameter is not set) is enabled with Chrome, disabled with other browsers
You have the option of exporting XML in MS Project.

Click on the button $\text{\textbullet}$ to start the export.

A **user parameter** allows you to enter if you want to add the assignments when exporting the project to MS-Project format.

If not, the name of the resources will not be available in the MS-Project application.

See: *User Parameters into the chapter*<UP-print-export>

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**Task List: the WBS structure**

The task list displays the planning elements in hierarchical form by dividing the WBS.

Tasks are regrouped by projects and activities.

The projects displayed depend on the selection made with the **project selector**.

See: *Project selector*

---

Fig. 25: Task list & progress data view
Interface areas:

- Show or Hide activities
- Icon of element
- Reorder Planning elements
- Names of the items
- Increase and decrease indent level

Show/Hide activities

- Click on the plus or minus of the header area to close and open the groups in the list area.
- Click on the icons at the top of the list to expand or collapse all project groups at the same time
- Click on the group row to expand or collapse the group only

Icon of element

A specific icon appears to the left of each item type for faster identification.

- Project
- Project to recalculate (the Gant diagramm to display with the latest settings)
- Project under construction
- Projet fixed in the planning
- Activity
- Milestone
- Meeting
- Test session

Other items can be displayed in the Gantt chart (action, decision, delivery…)

Reorder planning elements

The selector allows to reorder the planning elements.

Note: Ability to move multiple tasks at one time from one location to another using the key control to select the lines and then dragging and dropping them.

Warning: If you move an activity to a new project, the assigned resource must be allocated to the new project to allow this move.
• Item name

Click on a line to display the detail of the item in the detail area.

• Increase and decrease indent level

Increase and decrease indent level

![Indentation buttons](image)

Fig. 26: Indentation buttons

Increase indent

The element will become the child of the previous element.

Decrease indent

The element will be moved at the same level than the previous element.

Progress data

The progress data view allows to show progress on project elements.

To display the progress columns, pull the splitter to the right.

For each planning element, the progress data are displayed at them right.

you can add or remove the columns you are interested in using column management.

Click on [ ] to manage them.

See: Display and organize the columns.

![Progress data view](image)

Fig. 27: Progress data view

Each row and each column field can be edited from this view.

Click the field once if the Single Click Details option is disabled, double-click if the option is enabled.

Otherwise Click [ ] to display the detail and [ ] to edit the line.
The controls relating to the choice of certain fields, such as for the planning modes, are well executed even in free edit mode.

You can change the order of columns and resize them from this view without going through the column management menu.

Drag and drop the column to the right or the left. Click on the splitter between two column to resize the column.

**Gantt chart view**

The Gantt chart view is a graphical representation of the progress data of a project.

For each planning element, a bar is associated with it.
Fig. 29: Gantt chart view

**Scale**

Scale available: daily, weekly, monthly and quarter.

The Gantt chart view will be adjusted according to scale selected.

When you are in the planning view, you can move from one scale to another using the wheel control on your mouse.

- Mouse wheel up to increase the scale*.
- Mouse wheel down to decrease the scale.

*When you continue to increase after the semester, then we loop and return to the day scale, the smallest.

**Gantt chart’s bars**

The bars in the gantt chart graphically represent a line of your WBS structure.

We visualize the start and end dates and therefore the duration of the task.

The bars displayed in the gantt chart can appear with different colors. Each color has a meaning.

**CURRENT DATE BAR**

Yellow column indicates the current day, week, month or quarter, according to scale selected.

The red line in yellow column display the current day and time.

**PALE GREEN OR RED BAR**

Fig. 30: Current date bar
Condition: Activities without assigned work - pale red or pale green as appropriate
GREEN BAR

Fig. 31: no charge
Condition: Assigned resources are available and meet workload, validated or scheduled dates do not conflict with other items
RED BAR

Fig. 32: all is well
Condition: Planned end date > Validated end date - Real end date if completed task > Valited end date
PURPLE BAR

Fig. 33: Overdue tasks
Condition: If a resource is not or is no longer available on an activity.
The calculator is trying to plan the workload. The resource assigned to the activity is unable to be planned for this task (absence, calendar, assignment or assignment periods, etc.); then the bar turns purple.
PINK BAR

Fig. 34: Impossible to calculate the remaining work
Condition: Planning can take into account validated end dates of activities as a priority using a global parameter.
When this option is activated, the validated end date, if it is not provided, is automatically inherited from the successor or parent.

Fig. 35: Impossible to calculate the remaining work
In the case of an inheritance and the Planned end date > Validated end date, the bar turns pink. Pale pink without workload and bright pink with workload.

FOR COLOR BLIND
The color of the bar adapts to color blind people if you have activated the option.
GREEN BAR
Color of the GREEN bar
Enable this option in user parameters
RED BAR
Color of the RED bar.
Enable this option in user parameters

SPECIAL BARS
some features offer different color codes.

SURBOOKING and OVERUSE BAR
Condition: Add extra work time on the standard capabilities of your resources to plan more projects that you will not process.

Fig. 36: Resource capacity overbooking
See: Management of surbooking periods
See: overuse

SURCAPACITY BAR
Condition: The capacity of the resource has been changed. It can be under capacity or over capacity. That is to say, it does less or more than its FTE.

Fig. 38: Overcapacity of resources
For more information see: Variations in resource capacity in progress
Real work
Fig. 37: Surbooking or overuse view on Gantt chart
Condition: the length represents the percentage of completion based on the actual progress (Assigned - Real work) versus the length of the Gantt bar.

Technical progress

Fig. 40: Work in progress
Condition: the length represents the percentage of completion of the units of work that you enter manually (Delivered - completed) in relation to the length of the Gantt bar.

You can display both progress bars at the same time on the Gantt chart bar.

Fig. 42: Progress bars for actual work and work units

Consolidation bar

Fig. 41: Technical progress
Condition: graphical display of the dates consolidated by the group of planning elements for a project

CUSTOM COLORS
you can apply the color of your choice on the bars of the Gantt chart representing activities, milestones and meetings.
If the Planned end date > Validated end date then the bar should be colored red.
In case you have set a custom color, this state will still be indicated by a thin line at the bottom of the bar.

Fig. 43: Consolidation Bar
And in the task list, where the indicators remain the original color.
A parameter in the tools box allow to apply the color on the left part of the Gantt chart. See: Apply color on left part

6.3. Planning
Click on the reset button to come back to original colors.

You can also set a default color based on the activity type.

**ITEM NAME DISPLAY**

Move the cursor over the bar to display item name and planned dates.

or activate the “show bar name” check box directly on the Gantt view in the planning screen options.

> **Dependency links**

Dependencies allow to define the execution order of tasks (sequential or concurrent).

All planning elements can be linked to others.

Dependencies can be managed in the Gantt chart and in screen of planning element.

Dependencies between planning elements are displayed with an arrow.

Create a dependency

To create a dependency, left click on a bar of the gantt (the predecessor) and slide towards the successor.

You can also create dependencies with the predecessor and successor tables at the bottom of the details area.

Remember than the first task always drives the second.

- Click on + on the corresponding section to add a dependency link.
- Click on to edit the dependency link.
- Click on to delete the corresponding dependency link.
Fig. 47: Predecessor and Successor section - In the NAME field, icons are displayed to indicate the type of dependencies

Fig. 48: Dialog box - Predecessor or Successor element
Modify a dependency

Click on the arrow which turns orange, a pop up is displayed allowing you to modify the type and one to add a possible delay.

The delay can be positive or negative. Negative delay allows overlapping of certain tasks

See the strict mode of dependencies

![Dependencies dialog box](image)

**Fig. 49: Dependencies dialog box**

Dependency types

- **End-Start**
  
The second activity can not start before the end of the first activity.

- **Start-Start**
  
The successor can not begin before the beginning of the predecessor. Anyway, the successor can begin after the beginning of the predecessor.

- **End-End**
  
The successor should not end after the end of the predecessor, which leads to planning “as late as possible”.

Anyway, the successor can end before the predecessor. Note that the successor “should” not end after the end of predecessor, but in some cases this will not be respected:

  - if the resource is already 100% used until the end of the successor
  - if the successor has another predecessor of type “End-Start” or “Start-Start” and the remaining time is not enough to complete the task
  - if the delay from the planning start date does not allow to complete the task

Strict mode for dependencies

The strict dependency mode forces the successor planning element not to start on the same day as the same predecessor but the next day. Even if the task is finished before the end of the day.

To have the successor start on the same day or before the end of the predecessor task, select NO for strict mode or you can also put a negative delay.

The strict dependency mode is a *global parameter*.

By default, the strict dependency mode is set to YES.
Milestone

Milestones appear as small diamonds. Filled if completed, empty otherwise.
Color of diamond depends on milestone progress.

- Ongoing milestone and in times

- Completed milestone and in times

- Ongoing milestone and delayed
  Planned end date > Validate end date

- Completed milestone and delayed
  Real end date > Validated end date

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Detail of the work

ProjeQtOr also allows you to see the distribution of the workload assigned to the resources.
Right click on a bar to see the detail.
An option allows you to display the details of a bar rather than only seeing it on hover.

Fig. 50: Display details of the work

The lines are sorted by resource name.

Colors code

- Green: Planned workload
- Blue: Real work - charged to the timesheet
- Red: Excess workload over dates
- Black: Absence of the resource
Warning: You have to selected day, week or month scale to display detail or a message will ask you to switch to smaller scale.
Quarter is not available for the detail.

Project Timeline

You can view the timeline of your projects in the timeline.
The timeline allows you to have a faster visibility on the progress in time of your projects.

- The timeline offers a linear view of some selected tasks.
- You can add/remove tasks to the Timeline with a single right click.

- Timeline scale automatically adapts to selected tasks.
• You can hide the Timeline in the Gantt planning view options.

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7. Edit details on line

The lines represent each task that needs to be accomplished in the project. This is the WBS representation of projects.

You can edit these lines directly on the list.

![Fig. 53: Edit on line](image)

Either with a single click if the “detail on single click” option is deactivated, or by double clicking if the option is activated.

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8. right click menu

By right clicking on each of the lines you have access to the Gantt submenu which allows you to access certain actions by going through the main menu of the screen.

![Fig. 54: Right click menu](image)

[back]
Details area

The details area is the same as on all the ProjeQtOr element screens and adapts according to the selected element.

For more details on this area:

- see: Details window
- see: Common section

6.3.2 Planning order

The planning is calculated as simply as possible. This means that no complex algorithm is applied.

The principle adopted is simply to be able to reproduce what you could do with a spreadsheet type spreadsheet, but this time automatically.

All unrealized work is planned, from the start date to the maximum date depending on the load assigned to the project(s).

The calculations are performed task by task, according to the following organization

- **WBS**

  The WBS (Work Breakdown Structure), that is to say the structure or scheduling of your schedule is planned first if no other constraint comes to disturb this order. It is read from top to bottom and from left to right.

- **The validated end date**

  It is possible to set the default priority of activities from the finish date posted before the order in the WBS structure.

  - This will give higher priority to activities that need to finish sooner, regardless of WBS.
  - The planned end date is by default the validated end date.
  - If the validated end date is not defined, the planned end date can be retrieved from a successor (e.g. end milestone) or from the parent.
  - If two activities have the same scheduled end date, the WBS is always the last priority criterion.
  - This feature can be disabled in Global setting to fetch default WBS criteria only.

- **Priorities of activities**

  All activities with the lowest priority value will potentially be scheduled first.

- **Project priorities**

  The smallest value (index) is calculated first, this means in particular that if the projects have different priorities, all activities of the project with the smallest priority value will potentially be planned first.

- **Planning modes**

  “The must start on the validated date”, “regular between two dates” and “recurring” modes are priority modes compared to the other activity planning modes other than manual planning.

- **Dependencies**

  If an activity or project has a predecessor, the predecessor is always scheduled first.

- **Meetings**

  It is fixed on a given date. Even if not all of the participants are available. In this case, an alert informs you and the Gantt chart displays the unavailability.
• **Planning Manual** and planned interventions

This highest priority planning mode. The workload assigned with this planning mode can be recorded in planned work or in actual work.

### 6.3.3 Planning Modes

Projeqtor offers several ways to plan the workload for your resource with 11 different planning modes.

The order of the planning modes is not random and the further you go down the list, the more the planning modes have priority and will recover the load on the tasks that can be scheduled in the previous planning modes.

- **As soon as possible**
- **Work together**
- **Fixed duration**
- **Duration driven**
- **Must start before…**
- **Must start at validated date**
- **Should end before…**
- **Regular between dates**
- **Regular between dates in full day**
- **Regular between dates in half day**
- **Regular between dates in quarter day**
- **Recurring**
- **Manual planning**
- **Minimum threshold & not splitted work**

**As soon as possible**

- The task is planned to be completed as quickly as possible.
- If no assignment is created the bar will automatically be 1 day.
- If the validated duration is entered, it is this duration that is planned.

Fig. 55: Planning Mode As soon as possible: the calculation will schedule the resource as soon as it has an available slot

[MODES]
Work together

- When two or more resources are assigned to the same task, planning tries to find periods where all resources are available to work together.
- Periods are searched “as soon as possible”.
- If only one resource is assigned, this planning mode is exactly the same as “As soon as possible”.
- If one resource is assigned more work than the other, the extra work is planned after working together periods.

![Fig. 56: Planning Mode work together: the calculation will schedule the resources at the same time and as soon as it has an available slot](image)

[MODES]

Fixed duration

- The task is planned by duration. The validated duration field must be filled in.
- If work is assigned to the task, the scheduling behavior is the same as “Regular Between Dates”.
- Ability to readjust (start and end date) the task with handles directly on the Gantt view bar.
- When the number of assigned work days exceeds the indicated duration, then the days (detail of the Gantt bars) following the validated end date of the activity will be in red.

![Fig. 57: Planning mode fixed duration with workload](image)

[MODES]
Duration driven

- The task is planned by duration which is fixed.
- If the allocation of resources exceeds the set validated duration then the distribution of remaining work becomes overuse.
- When the assigned workload does not exceed the number of days of fixed duration then the planning mode distributes the workload by smoothing it throughout the duration, exactly as with the fixed duration or the regular between two dates.
- In automatic calculation mode, only the activity in this mode will be recalculated.
- Other activities, even those driven by dependencies, will only be recalculated with the full calculation function.
- Ability to readjust and move the task (handles on each side of the bar) directly on the Gantt.
- With the left handle you adjust the full bar without changing the duration.

Must not start before validated start date

- The validated start date field must be set.
- The task must not begin before a specific date.
- If a stronger constraint, such as dependencies or real work, is specified, the planning mode will no longer be respected.
- You can block resource imputations in this planning mode by enabling the global parameters “lock timesheet before validated start date” in global settings
Must start at validated start date

- The validated start date field must be set.
- The task must not begin before this specific date.
- This planning mode reclaims time from previous planning modes.
- It has priority over the “as soon as possible”, “fixed duration” and “work together” modes.
- The start date is no longer respected if a stronger constraint, such as dependencies or real work, is specified.

You can block resource imputations in this planning mode by enabling the global parameters “lock timesheet before validated start date” in global settings

Should end before validated end date

- The validated end date field must be set.
- The task is planned backward from end to start.
- A validated end date must be defined.

Regular between dates

- Allows to evenly distribute work between two dates.
- Used for management recurrent activities.
- The validated dates fields must be set.
- Possibility to readjust the task with handles directly on the bar of the Gantt view.

Fig. 60: Regular between dates mode

See also: Regular modes with excess workload
Regular in full days

Work will be distributed on full day between on working days.
Possibility to readjust the task with handles directly on the bar of the Gantt view.

Fig. 61: Planning mode Regular in full days: assigned days are distributed evenly in full days

See also: Regular modes with excess workload

Regular in half days

The work will be distributed over half of the day between working days.
Possibility to readjust the task with handles directly on the bar of the Gantt view.

Fig. 62: Planning mode in half day: assigned days are distributed evenly in half days

See also: Regular modes with excess workload

Regular in quarter days

Work will be distributed on one quarter of the day between on working days.
Possibility to readjust the task with handles directly on the bar of the Gantt view.

See also: Regular modes with excess workload

Regular modes with excess workload

If the dates are too short compared to the assigned load, the excess load will be divided and added in the same way as the chosen mode.

So you can get full days even in regular mode in quarter day or half days.
Fig. 63: Planning mode in half day: assigned days are distributed evenly in quarter days

- Example with 8 days of workload to plan over 10 days with the Regular mode in half days between dates

<table>
<thead>
<tr>
<th>MODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recurring (on a weekly basis)</td>
</tr>
</tbody>
</table>

- This mode allows you to plan the workload on a weekly basis which will be distributed each week, for example 1/2 day every Monday, 1 hour every day, etc.

- It automatically adapts to the elements which determines the total duration of the project. If the project falls behind schedule, this mode will continue to adapt and automatically distribute the load for each added day.

Tip: Please note, the project is only an envelope, it is the elements that compose it which will determine its duration. A recurring activity cannot be calculated correctly if it is the only component of the project, even if it has validated dates. Other elements (Activities, milestones, etc.) will be needed for the distribution of this load to be done correctly.

Click to enter the load for each day of the week.
The work is distributed dynamically according to the load indicated on the assignment table.

Fig. 64: Planning mode in half day: assigned days are distributed evenly in quarter days

If you don’t want the recurring activity to fit the project, you can limit it between finish-to-start and finish-to-finish milestones.

Fig. 65: Planning mode in half day: assigned days are distributed evenly in quarter days

See: Recurrent mode assignment

[MODES]

**Manual planning**

- This is the most priority planning mode and constraint.
- You have the option to save the work as planned or real work.
- Two screens are dedicated to it: planned interventions to plan monthly and the View interventions for read-only.

**Note:** The choice of planned or actual work is made in the global parameters in the planning section work tab.

See: global parameters.

[MODES]
Minimum threshold & not splitted work

When this value is set, the activity will only be scheduled on the day when the daily availability is greater than or equal to this threshold.

You also have the option to add a new property to a “cannot be split” task.

This will require defining the minimum work to be allocated each day and therefore filling in the minimum threshold field.

Be careful with this mode, planning will require finding consecutive days with at least the given value possible, which may never happen.

6.3.4 Plan with overuse

Scheduling with overuse calculates the schedule with “infinite” capacity for each resource.

It is assumed that the resource (ETP=1) can be planned on each project with its maximum ETP.

For example, if the resource is on 5 projects then it will be scheduled up to 5 fte per day.

If we recalculate with infinite capacity this is what the schedule says.

6.3.5 Critical resource

The critical resources screen will allow you to identify the resources that will cause the project to drift and not miss certain key dates due to lack of capacity on the project.

This amounts to calculating the complete schedule and all your resources in infinite overbooking mode.
Fig. 66: Planning in infinite overbooking mode

**Critical resource list**

The critical resources table tells you for each critical resource displayed

- The name of the resource
- Its charges available
- Its load used
- Overbooking charge
- Its rank (Index used to calculate the margin = difference between available - used)

This table of critical resources is broken down by project.
Projects using critical resources

The Projects using critical resources table allows you to visualize the number of days late per project and which resources are causing the delay.

The strategic value has no impact on the display of projects and the determination of critical resources. This (numerical) value is free and left to your discretion.

It can be a value between 1 and 100, or a number of Business, regardless, this will allow you to identify whether projects consuming critical resources are strategically sound and therefore worth implementing.

The Critical resources planning

The Critical resources list by period table is a representation of the current planning, not the ideal planning.

The display will be done by period defined on the scale (week, month, quarter) or by displaying the “overbooking load” necessary to optimize the planning.

![Critical resource screen](image)

Fig. 68: Critical resource screen

Formatting results and indicators

Indicator is a percentage = (Margin - Subooked) / Available (* 100)

- **Define threshold**
  - Default Red = “< 20%”
  - Default Orange = “< 5%”

- **Late planning**
  - In red, the resource does not have sufficient capacity to complete the task on time
  - planned end date > Validated end date - overbooking on the activity

- **Missing capacity**
  - In yellow, the resource does not have sufficient capacity to complete the task on time but is not the cause of the task delay.
  - Planned end date > Validated end date - no overbooking

- **Optimal planning**
  - In green, the resource has sufficient capacity to complete the task on time
  - Planned end date < Validated end date - no overbooking on the activity
The Critical resources export

Exporting projects that use critical resources to Excel format is possible via this tab.

![Export excel format of projects using critical resources](image)

Fig. 69: Export excel format of projects using critical resources

The Critical resources scenario

Without affecting your basic schedule, you can simulate starting one or more project(s) on later dates in months.

![Possible scenarios for a simulation on projects containing critical resources](image)

Fig. 70: possible scenarios for a simulation on projects containing critical resources

You can also add additional capacity to your pools to check if the possible addition of resources can improve the planning of your projects.

The Critical resources work plan

You can obtain directly on the critical resources screen the report on the load planning on a selected resource for the indicated period.

6.3.6 Planned Interventions

The goal is to make the specifications more flexible to cover broader and more generic needs.
Assignment

The assigned workload is no longer determined but will be entered on a calendar which can be clicked, per half-day.

See: Planned interventions assignment

The workload saved in this window will be displayed to the planned interventions screen.

The planned Interventions

The planned interventions screen allow you to manage the manual planning.

This screen is available if at least one activity has a planning mode set to manual planning.

Interface areas

- Display zone
- List of Projects and activity
- FTE
- Interventions mode
- Interventions Calendar
Fig. 72: Assignment with the Manual planning mode

Fig. 73: Planned interventions screen

6.3. Planning
Display zone

The display area allows you to filter the resources you want to display.
The screen is blank until you select the resource, the team or the organization.
The calendar is displayed for the resource or for all members of the selected team or organization.
These parameters are not exclusive, you can select team and organization.

- Resource
  Filter by resource on calendar display.
- Team
  Filter by team on calendar display.
- Organization
  Filter by organization on calendar display.
- Project
  Filter by project on calendar display.
- Year
  Select the year to display.
- Month
  Select the month to display.
- Hide done items
  You can hide the activities recorded in the “done” state in the displayed list.

**Note:** The selected parameters, except the month, always set by default to the current month, are saved as a user parameter.
When the user returns to the screen, he therefore finds the last parameters entered

List of Projects and activity

The list of activities displayed are in the planning mode “manual planning”. If no filter is selected (project, resource, organization ...) then the screen does not display any data.
You cannot create new activities in manual planning mode from the intervention screen. You need to access the activities or schedule screen to create the new activity in manual planning mode. The new activity will then appear in the list.

Click on to access the activity screen and view its detail
FTE

In this calendar, we display graphically if we respect the quantity of people requested on the activity and on the half day.

Fill in an integer value for each activity to check.

If you enter 1, you expect at least one person to perform half a day on this activity.

A check is then carried out and takes into account all the resources assigned to each activity, and not only those selected and visible on the calendar.

If the field is left empty or at 0 then no control is carried out and the calendar will not display any green or red box.

**Blue box**

When you start to put in the workload but do not yet reach all of the expected FTEs.

**Green Box**

If the entry respects the workload constraint expected in FTE the box is green.

**Red Box**

If the total entry is greater than the expected workload in FTE the box is red.
The box then turns red: the workload is higher than expected since we expected a person on this half day and on this activity.

Non-colored box

There is no expected workload.

**Interventions mode**

The list of possible intervention methods is customizable.

This list can be modified via a setting screen in the *list of values*.

The saved modes will remain fixed for all projects and all teams.

You can select an activity or a modality or both.

- If the intervention mode is not selected, the box is colored according to the activity but no letter appears, and vice versa.
- If only the intervention mode is selected, it will be saved without modifying the planned or actual work.

You can however add one or the other after having planned the intervention or the intervention mode.

A second click with the same parameters will delete the assignment.

Ctrl Click allows you to complete the two half days.
Interventions Calendar

- Click on an activity and / or an intervention modes to plan workload on it
- Click on half a day to plan the workload
- The targeted half day is filled with the color of the selected activity and the letter of the chosen intervention mode.

Light Gray color
The light gray box indicates that the day is inactive on the resource calendar.
It can correspond to a weekend, a public holiday or a non-working day recorded on the resource’s calendar.

<table>
<thead>
<tr>
<th>Resources</th>
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Dark Gray color
The dark gray boxes indicate reality. It's work actually performed and informed on the timesheet.
When real work is completed for half a day, the box is half gray.
If the full day is completed then the box is completely grayed out.

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Blue color
The blue boxes indicate absences.

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Striped box

The striped boxes indicates that the working time recorded by the resource has been validated.

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</table>

**Note:** Planned or Real

The workload can be recorded as a planned load or as a real load.

This option can be set in the **global settings**.

**View interventions**

This screen allows you to see your planned interventions.

You cannot modify these interventions or plan another half day on this screen.

It is a bit the equivalent of planning by resource but in manual planning mode

![View interventions screen](image)

**6.3.7 Gantt views**

**Planning global**

The global planning allows to create and visualize any type of element (project, activity, milestones, risk, meeting, action ...)

- Add and Show any new planning element on Gantt chart
- The created item is added in the Gantt and detail window is opened.
- The detail window allows to complete entry
- Project planning and activity planning calculation can be done in the Gantt.
Projects portfolio

This screen displays only the projects on the diagram. The activities and other elements that make up the planning are hidden.

It displays milestone and project dependencies only.

**Note:** This section describes specific behavior for this screen. All others behaviors are similar to *Gantt chart* screen.

Show milestones

- You have the option to show or hide milestones.
- It is possible to define the type of milestone to display. All milestones are available: deliverable, incoming, key date, etc.
- The milestones are displayed directly on the bar of your project.
- Colored columns are displayed in addition to those in the simple planning view.
- It is about the life and general health of your project. With the health status, quality level, trend and progress columns.

As in the planning view, you display a menu dedicated to the portfolio view by right-clicking on the list of projects.

Resource planning

This screen displays the Gantt chart from a resource perspective.

The assigned tasks are grouped under the resource level.

Regarding resource planning, periodic group meetings are under his responsibility.
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Fig. 79: Projects portfolio columns

Fig. 80: Right menu

Ability to view assigned activities without charge.

Fig. 81: Gantt (Resource planning)

Interface areas

- Show project level
- Gantt charts for resources
- Limit display
- Tools
- Print and exportation
- Display dates
- Checkbox
Show project level

Tasks can be grouped by project in the list area.

Click on Show project level ▲ to view the projects on which resource activities depend.

Gantt charts for resources

The bars used in the Gantt chart for resources differ slightly from the standard planning bars.

Most of the bars used in the Gantt chart are the same as for standard planning.

See: Gantt chart’s bars.

GREY BAR

Condition: Assigned resources are available and meet workload, validated or scheduled dates do not conflict with other items.

The gray bar in the middle graphically represents the actual percentage progress relative to the total duration of the activity.

This makes appear some planning gap between started work and reassessed work.

Dependencies behavior
• Links between activities are displayed only in the resource group.
• Links existing between tasks on different resources are not displayed.

**Note:** This section describes specific behavior for this screen. All others behaviors are similar to *Gantt chart* screen.

### Limit display to selected resource or team

• Click and select one resource to display only his data.
• Click and select one team to display only data of resources of this team.
• Click and select one organization to display only data of resources of this organization.

### Tools

• Click on ![ ] to start the activity planning calculation. See: *Activity planning calculation*.
• Click on ![ ] to create a new element.
• Click on ![ ] to apply many filters. See: *Advanced filters*.
• Click on ![ ] to organize the columns of the progress data view.
• Click on ![ ] to display the sub-menu.
• Click on ![ ] to display this screen in horizontal or vertical mode.

### Print and export

You can print directly on your printer or export in PDF format.

**Print planning**

Click on the button ![ ] to print the Gantt chart in A4 and / or A3 format.

The print quality, despite printing or exporting on a reduced scale, remains very qualitative and offers very little loss of detail in the diagram.

**Export planning to PDF**

Allows to export planning to PDF format.

Export can be done horizontally (landscape) or vertically (portrait) in A4 and / or A3 format with great detail even with a zoom

Export contains all details and links between tasks and also include a pagination.

And the option **Repeat Headers** allow you to print or export your planning in multiple pages

This feature will execute export on client side, in your browser. Thus the server will not be heavy loaded like standard PDF export does.

It is highly faster than standard PDF export.
Warning: This technically complex feature is highly dependent on the browser and is not compatible with all of them. It is compatible with the latest versions of IE (v11), Firefox, Edge and Chrome. Otherwise, the old export function will be used.

Tip: Forced feature activation/deactivation

- To enable this feature for all browsers, add the parameter $pdfPlanningBeta='true'; in parameters.php file.
- To disable if for all browsers, add the parameter $pdfPlanningBeta='false'; Default (when $pdfPlanningBeta parameter is not set) is enabled with Chrome, disabled with other browsers

Display dates

This functionality allows to define columns displayed in the progress data view.

More details: Display and organize the columns.

Checkbox for display

You have the choice to display or not, certain information on the Gantt chart.

- Show WBS
  Click on “Show WBS” to display the WBS number before the names.
- Closed item
  Flag on “Show closed items” allows to list closed items.
- Show left work
  The option Show left work displays at the end of each bar the left work directly on the gantt chart.
- Show activities without work
  Basically, activities with no workload do not appear on the Gantt chart by resource.
- Check this box to make them appear.
- Show project level
- Show projects in the list area.

6.4 Today (Dashboard)

This screen allows the user to have an overview of the projects and tasks he is working on.

His projects, the tasks to which the user is assigned, those for which he is responsible as well as the various tasks created by himself or for which he is a requestor are listed in different sections.

Each list can therefore contain different types of tasks. The user can therefore view activities, questions, decisions, tickets, risks, meetings, milestones, … as well as financial elements, such as quotes, invoices or contracts.

It’s the User parameter “First page” by default. This parameter defines the screen that will be displayed first on each connection.

The definition of visibility is based on the access rights of each user.
Parameters

• Click on \( \text{ } \) to access screen parameters.
• Allows to define sections displayed on the screen.
• You can directly click on \( \times \) at the top right of the section to close it.
• To change the order of the blocks displayed, click and drag the blocks to the desired location.
• If the movement is authorized the header is green otherwise it is red.

6.4.1 Projects

This section allows you to view current projects on which you have visibility rights.

Several sections are available: the weather forecast of the projects, the elements that compose it and the progress of each.

The projects list is limited to the project visibility scope of the connected user.

The number of displayed projects can be defined in the global parameters.

Click on the name of a project will directly move to it.

Weather

Health status
This icon allows to display the health status of the project.

Quality level
A manual indicator can be set on project.

This icon allows to display the quality of the project.
Fig. 85: Dialog box - Today parameters

Fig. 86: Move a section
Fig. 87: Projects Weather

**Trend**

Manual indicator can be set on project.

Trend indicators are displayed.

This icon allows to display the trend of the project.

**Overall progress**

Actual progress of the work of project and additional progress manually selected for the project

---

**Elements concerned to project**

Fig. 88: Projects Elements

Numbers of elements concerned to a project are displayed.
Calculated and overall progress

Actual progress of the work of project and additional progress manually selected for the project

- On mouse over the bar

On each project shows part of “to do” (red) compared to “done and closed” (green).

- **Progress:**
  - Real: Project progress based on actual resource working time.
  - Estimated: Progress of the project based on values set manually for an estimate.

- **Work:**
  - Validate: validate work on the project
  - Real: real work on the project
  - Left: remaining work on the project.

- **Margin:** the margin corresponds to the difference in work between the revised and the validated.

- **End date:** Planified end date of the project.

- **Late:** Number of late days in project.
6.4.2 Message

All scheduled messages will be displayed in this section.

Each point corresponds to a different message.

See: Messages

6.4.3 To approve

You can define approvers for a document, incoming or outgoing mail.

Only users assigned to the project linked to the item to be approved can be added.

If you are in the list of approvers, you will see the list of items you need to approve.

The list of items is clickable.

See: Documents
See: Mails
See: Approval process
6.4.4 To do: Tasks list

The list of tasks is divided into 3 parts:

- The tasks for which I am responsible,
- The tasks assigned to me and finally
- The tasks of which I am the issuer or the requestor

Click on the respective buttons to display the list.

Note: Max items to display Parameter

Number of items listed here are limited to a value defined in Global parameters and User parameters.

Enter the number of projects or tasks to appear on the screen.

6.4.5 What’s new: the activity Stream

You have access to the activity stream of the elements that you see displayed in accordance with the rights of your profile.

See: Activity Stream

6.4.6 Todo List

In this section you see the current todo lists on which you have rights.

See: Todo list
6.4.7 Reports

You can select any report to be displayed on the Today screen.

![Reports on today](image)

Fig. 94: Reports on today

To delete the report, click on ![from the today screen window or in the screen parameters.](image)

![Display parameters on today](image)

Fig. 95: Display parameters on today

**Add selected report**

- To do this, just go to the selected report, select parameters and display result (to check it is what you wish on today screen).
- Click on ![to insert this report with parameter on the Today screen.](image)
- Any unchanged parameter will be set as default value.
- These reports will be displayed on Today screen like other pre-defined parts.

See: Favorite Report

See: Today Screen Report
6.5 Diary

Allows to display planned task to a resource on a calendar view.
This view can be monthly, weekly or daily.
Just click on any task to access directly.
You can show activity without workload on diary screen.

**Note:** On mouse over the task, you can see a short information about the task.
Meetings are sorted in chronological order within the day.
6.5.1 Calendar selector

![Diary calendar selector](image)

**Day colors**

- **Yellow day**: Current day
- **Grey days**: Days off

**1st day**

Displays a specific date or date. The first day of the week or month is displayed according to the selected view.

**Resource**

Allows to select the resource calendar.

**Select item to display on the list**

Allows you to display only certain items on the calendar like activities, meetings, actions, tickets...
Show done items & Show closed items

Allows to display or not the done and closed items.

and Top buttons and Left side buttons

Allows to change current month, week, or day.
Click on to go to week display mode.
Click on to return to the last display mode.

Day number button

Click on the day number button to go day display mode.

Task / Activity / Tickets/ Leaves

Each item the resource is assigned to is displayed in its log.
All types of holidays and deliveries are also displayed.
The color that appears on the objects are those of the project to which they are attached.
6.6 Reports

A list of reports is available in different categories. They themselves contain several sub-categories. You will find the reports home page in the menu but also all the categories. These, directly accessible, allow you to find the report of your choice from the main menu.

6.6.1 Reports View

1. Select a category to view subcategories and select a report.
2. Parameters specific to this report are displayed. Update the settings to get the information you need.
3. Click on \(\text{generate}\) to generate the report. The selected report will appear under the splitter.
4. Several tools are available to export and send your reports. See buttons.
5. You can access the scheduled reports screen from the reports screen.

6. Click on the arrow to return to the list of categories.

**Note:** Horizontal slider position is saved when changed manually.

### Buttons

- Click on 📹 to View the report.
- Click on 📰 to get a printable version of the report.
- Click on 📖 to export the report as PDF format.
- Click on 📁 to View this report on the Today screen.
- Click on 🎉 to define this report as favorite.
- Click on 📦 to schedule sending the selected report
- Click on 🔄 to go to scheduled report screen

#### 6.6.2 Today Screen Report

You can add reports to your home screen today.

- Select the report you want to see quickly on this screen.

- Click on the button 📁
- On the Today screen, the report is Viewed at the bottom of the page
- Click on the setting icon on the screen today to change the location of the report

**Note:** Update

The Viewed report is updated automatically. Any modification made to the content of the latter is reflected on the screen today.

Click the parameter button to define the location of the report (s) on the Today screen.

Click on the handles to move the item in the list.
Fig. 97: View a report on the today screen
6.6.3 Favorite reports

Move your cursor over the reports menu icon (in the top bar) to show the popup menu that contains your favorite reports.

You can add a “blank” report type to the favorites or to a specific project and resources. In this case, next to the report name, linked items will be Viewed.

**Popup menu management**

- Allows to reorder reports Viewed with drag & drop feature. Using the selector area button icon drag.
- Click on to remove the report from the list.
6.6.4 Filter Reports

For tickets and only tickets, you can apply an existing or create a filter.

As with the advanced list box filters, you can choose from many criteria to create your filter;

See: advanced filters

6.6.5 Report Sending programmation

Ability to schedule the sending of reports as emails

For example, you can send a report every day, every Monday or every first day of the month

To view all scheduled reports for sending, go to Scheduled Report in the Tools menu

6.6.6 Reports from lists

When you are on a list of items, such as activities, tickets, actions or any other items... you can create reports from your list layout

On the list

The "save object list as report" function is available in the list box tools.

You can edit the columns and place them in the order you want, you can apply simple or advanced filters.

When you click on a pop-up is open.

Name your list layout and save it by clicking .
Report sending programming

Frequency

- Every Days
- Every open days
- Every week on: Monday
- Every month on: 15

Hours: 16:40

Send name

Receivers

- Receivers: admin
- Other receivers

Cancel  OK

Fig. 98: Sending a report to email

Fig. 99: List as report

6.6. Reports  403
The list will be stored as you prepared it and you will find it in the reports.

On the reports

In the reports, you will find a new category where the different list reports that you have copied so far will be copied.

They are sorted by items, knowing that you can create several different reports for the same item.

You will then obtain the report as you programmed it from the element list.

Each of these reports can be added to the today screen, can be sent at a given frequency.

They can be printed and exported to PDF, CSV and Excel.
6.6.7 Complete list of reports

Legend:
Almost all reports can be exported in PDF or printable format.

- ![CSV] Export to CSV
- ![Excel] Export to Excel
- ![No Export] No export
- ![Print only] Print only

Real Work

Allows you to view the actual expenses consumed by your resources on one or all projects over a given period. Most reports allow you to refine the display by organization, by team and by resource or even by type of activity. Reports that can be exported in Excel format are indicated by the icon ![Excel].

1. Work - Weekly
2. Work - Monthly
3. Work - Yearly
4. Work - Between two dates
5. Work for a resource - Weekly
6. Work for a resource - Monthly
7. Work for a resource - Yearly
8. Work for a resource - Between two dates
9. Monthly work for resource
10. Work monthly detailed by resource
11. Work yearly per month
12. Detailed work per activity - Weekly
13. Detailed work per activity - Monthly
14. Detailed work per activity - Yearly
15. Detailed work per activity - Between two dates
16. Detailed work per resource - Weekly
17. Detailed work per resource - Monthly
18. Detailed work per resource - Yearly
19. Detailed work per resource - Between two dates

WORK SYNTHESIS PER ACTIVITY

20. Work synthesis per activity

21. Work synthesis per activity between two dates

INDIVIDUAL CHARGES BY TYPE OF ACTIVITY

22. Work for a resource per type of activity - monthly

23. Work for a resource per type of activity - Yearly

24. Work for a resource per type of activity - Between two dates

OTHERS

25. Left work

Planning

The reports in the planning category allow you to track the use of your resources through your project schedules. Diagram, synthesis, colored report, loads plan between planned and real work…

GANTT PLANNING

26. Gantt planning

27. Portfolio Gantt planning

WORK SYNTHESIS

28. Work synthesis per activity

29. Work synthesis per activity - between two dates

30. Work synthesis per ticket

31. Synthesis of technical progress

32. Work synthesis per resource

MONTHLY PLANNING

33. Monthly planning resource/project

34. Monthly planning project/resource

35. Monthly planning project/activity/resource

36. Monthly planning resource/project/activity

37. Monthly planning for a resource

38. Monthly planning for a resource (per project)

YEARLY PLANNING

39. Yearly planning resource/project

40. Yearly planning project/resource

41. Global planning project/resource per month
42. Yearly planning project/activity/resource

**WORK PLAN**

43. Work plan per week
44. Work plan per month
45. Work plan per resource and per week
46. Work plan per resource and per month
47. Workload plan on given period

**AVAILABILITY**

48. Monthly availability of resources
49. Availability synthesis

**OTHERS**

50. Colored monthly resource planning
51. Planned interventions

**Steering charts**

The management diagrams are very precise reports to follow, compare and inform on the costs, deadlines and progress of your projects.

52. Burndown chart
53. S curve chart
54. 45° chart
55. Performance indicator
56. Proposals

57. RIDA (Statement of Information Decisions Actions)

**KPIs**

Track your KPI indicators with precision.

**KPI DURATION**

58. KPI Duration for project
59. KPI Duration consolidated

**KPI WORKLOAD**

60. KPI Workload for project
61. KPI Workload consolidated

**KPI INCOMING/DELIVERABLE**

62. KPI Deliverable for project
63. KPI Deliverable consolidated
64. KPI Incoming for project
65. KPI Incoming consolidated

66. Client invoicing terms

67. Work Units synthesis

68. Workload history

Tickets

Find here all the reports concerning the follow-up of your tickets on one or more projects and this, over a given period.

You can restrict and filter your display by resource, by customer, by requestor, issuer or manager. But also by priority or qualification.

69. Yearly report for tickets

70. Yearly report for tickets by type

71. Report for tickets cumulated - number of days

72. Yearly report for tickets by product

73. Report for tickets by qualifying - weekly

74. Report for tickets by qualifying - monthly

75. Report for tickets by qualifying - yearly

76. Report for tickets by qualifying - global

77. Report for opened tickets - weekly

78. Report for opened tickets - monthly

79. Report for opened tickets - yearly

80. Report for opened tickets - global

81. Handled ticket synthesis - monthly

82. Done ticket synthesis - monthly

83. Curve of tickets BurnDown

84. Clients impacted by tickets
Current status

The current status category allows you to follow the status of elements relating to the project: Activities, activity tasks, risks, Document approval . . .

RISK AND ACTIONS

85. Risk management plan

86. Actions table

OTHERS

87. Status of ongoing work
88. Status of all work
89. Opportunity plan
90. Version detail
91. Jobs summary for activities
92. Approval of documents

Costs

You will be able to follow all your costs related to the project, the activity or your resources.

EXPENSES

93. Project expense per month
94. Individual expense per month
95. Total expense per month

OTHERS

96. Cost synthesis per activity
97. Resources costs per month
98. Detailed resource costs per activity per month
99. Total expense and cost per month

Financials

In the same way, you will be able to follow the receipts related to the project and their consolidation.

CLIENT INVOICING TERM

100. Monthly terms
101. Weekly terms

OTHERS

102. Invoices
103. Financial expenses board
104. Financial expenses synthesis
105. Monthly consolidation
106. Summary of orders / client invoicing

Requirements & Tests

You will be able to trace the status of cases played out for requirements and / or products, monitor requirements coverage, review annotations, comments and obtain various summaries.

**TEST COVERAGE**
107. requirements test coverage
108. products test coverage
109. test cases detail
110. test session summary

**REQUIREMENT FLOW**
111. Requirements flow annual
112. Requirements cumulated on number of days
113. Requirement yearly by type

**REQUIREMENT OPENED**
114. Requirement weekly opened
115. Requirement monthly opened
116. Requirement yearly opened
117. Requirement global opened

**OTHERS**
118. Curve of requirement Burn-Down
119. Requirements with open questions

Miscellaneous

A set of additional but very comprehensive reports on your projects and some of its elements.

**HISTORY**
120. Detail of history for one item
121. Deleted items

**OTHERS**
122. Connections audit
123. Project dashboard
124. Followed items
125. List of attachments per user
Human Resources

A set of additional but very comprehensive reports on your projects and some of its elements.

126. Resources inputs - outputs
127. Resources workforce
128. Resources seniority
6.7 Real work allocation

6.7.1 Timesheet

This screen is dedicated to entering actual work.

The resource completes their work every day, for each assigned task.

Data entry for a resource is done on a weekly basis.

The corresponding cost to the real work is automatically updated to the assignment, activity and project.

![Fig. 103: Timesheet zone screen](image)

**Interface areas**

- **Selection and filters**
- **Switch display**
- **Tools**
- **Data entry validation**
- **Task Zone**
- **Entry field**

**Selection and filters**

This filters allows to select a timesheet for a resource and for a period.

- **Resource selection**
  - By default, users can only select themselves as a resource.
  - Access to other resources timesheet depending on *Specific access*.

- **Selection period**
  - By default, the period is determined according to the current day.
  - Targeted periods are displayed in different places on the screen.
    - You can select the number of the week and its year directly with the corresponding filters.
    - The “first day” filter allows you to choose a specific date, day, month and year. The full week containing this date will be displayed.
    - The button today targets the current week
    - The D-day is highlighted.
Switch display

By default, the timesheet display is presented by week.
By clicking on the “switch the month view” button, the timesheet display switches to monthly view.
The start and end dates of an item are no longer displayed in this mode.

Tools

- Click on to save timesheet datas.
- Click on to refresh datas.
- Click on to display options.

Display

The toggle buttons help you filter the information visible on your timesheet.
Switch the button to the right (green button) to activate the display.

Weekly meetings only
- Recurring meetings display all meetings with one meeting per line. Depending on the period and frequency of your recurring meetings, many lines may be displayed.
- With this option, you only display meetings for the week displayed on the screen.

Closed items
- Switch the button to show closed tasks. Archived tasks.

Done items
- Switch the button to show completed tasks. With left work to 0.

Items not started
- Switch the button to show unstarted tasks. The macro state in progress must be activated and saved for the tasks for this option.

Paused items
- Switch the button to show show tasks that have been paused. the pause macro state must be activated and saved for the tasks for this option.
ID

- Show ID to identify all single task.

Planned work

- Planned work is indicated on each input cell, in the upper left corner, in light blue.
- Allows you to display the planned working time per day for the resource assigned to the task.

![Fig. 105: Planned work](image)

Resource selected for the project only

- You can limit the display of the resource selection drop-down list.
- If you have selected a project in your project selector then you will only see the resources assigned to that project.

Filter

Quick filters are used to define the list of tasks displayed by name and ID.

Export

- Click on ![to print timesheet.](image)
- Click on ![to export timesheet in PDF format.](image)
- Click on ![to export timesheet in CSV format.](image)

Data entry validation

Enter real as planned

Planned work on an activity for a resource is carried forward for each day.

If there is no figure displayed then it means that the resource is not supposed to be informed of the actual work on this activity during this period.

Even if planned work is scheduled for a resource, there is nothing forcing it to complete its work as expected.

The option Show planned work must be activated.

Submit work

ProjeQtOr offers a system of validation of charges which makes it possible to follow the information of the real work of resources by a hierarchical manager.

After sending the actual work, you can no longer change the actual working time for the week.

You must cancel the validation request to make a change.

Validate work

Project managers can validate the work or any other personalized profile authorized to do so.
Only people with the necessary permissions can see this button. When the work is validated, then the resource can no longer modify its work on this week. Likewise, the cancellation of validation will no longer be available.

The validation system is optional and can therefore be hidden.

### Task Zone

The list displays the tasks assigned to the resource selected in the list. Click on the activity name to access the activity details screen. Tasks assigned with actual work are always displayed, even when closed. The function of the resource on this task is displayed at the end of the line.

#### Note:

- A resource can have multiple *functions*.
- It is possible to *assign* the same resource several times but with different functions to monitor project costs.

- The icon △ allows you to add a comment.
- The icon △ indicates that there is a comment on the assigned task.
- Simply move the mouse over the icon to see the latest comment.
- Click to view all comments
- A global comment can be added on the weekly follow-up.

The Start and End columns display the planned dates for each activity.

#### Entry field

In order to see and know the assignments on a task, several columns indicate the periods assigned to a resource:

**Assigned**

It is the work assigned to the resource that is calculated by the software.

**Real work**

This is the work actually performed and reported by the resource.

**Left work**

This is the work that the resource still has to provide for this task. Left work is automatically decreased on input of real work.

Resources can adjust this value to estimate the work needed to complete the task.

**Reassessed**

This is the work required to complete the task. It’s the actual work + the rest to do. See: “progress-section-date-duration”

- You cannot edit Assigned Work, Actual Work, and Reassessed directly in columns.
- This information is calculated directly by the software based on what you have entered

**Real work entry**

- Area to enter real work. It possible put real work in off days.

6.7. Real work allocation
• Columns of days off is displayed in grey.
• Days off is determined in resource calendar definition.

Total of days

On the last row is the sum for all days of the week.

It is a synthesis displayed for each project and globally for the whole week.

The resource capacity is defined by the number of hours per day and the resource capacity (fte).

| 1 | 1 | 1,2 | 1 | 1 | 0 | 0 | 5,2 |

Fig. 106: Total of the day Zone

• Total for the day is green if entries are completely within the resource’s ETP capacity
• The total for the day is light red if entries are greater than the resource’s FTE capacity.
• Total for the day is dark red if entries are greater than the maximum daily work allowed on the resource.
• A message warns you that you exceed the authorized fixed quota.
• You will not be able to save the timesheet with a higher quota.
• Total for the day is uncolored if entries are less than the resource’s FTE capacity

See also:

• Unit for work
  Allows to set the unit time for real work and workload and the number of days worked per week. The number of hours per day is defined here.

• Timesheet
  You can set many levers, alerts or display options

• Generation of alerts if real work is not entered
  You can trigger alerts on the entry of actual work for different collaborators. These messages can be sent at a frequency defined by email or displayed as an alert directly in the application.

• Automatic feeding of the real
  You can automatically fill in the actual work from the work scheduled up to a given date and then trigger the automatic calculation of the projects from the day after that date.

The status of tasks

The task status can be changed automatically according to data entries on real work and left work.

• Set to first in progress status: if the parameter value is set to “Yes”, when real work is entered on a task, its status will be changed automatically to the first status “In progress”.

• Set to first done status: if the parameter value is set to “Yes”, when left work is set to zero on a task, its status will be changed automatically to the first status “done”.

Change status validation

An icon will be displayed on the task if a status change is applicable.

• Due to real work is entered, the task status will be changed to the first ‘In progress’ status.

• The real work is entered, but the task status will not change because at issue is occurring.

• Due to no more left work, the task status will be changed to the first ‘done’ status.
• **Warning**: Common issue
  - If a responsible or a result are set as mandatory in element type definition for the task. It’s impossible to set those values by real work allocation screen.
  - The change status must be done in treatment section on the task definition screen.

### 6.7.2 Timesheet Validation

The timesheet validation screen allows the project manager to receive, verify and validate the time allocated weekly by the resources to an activity for all the projects.

#### Selection and filters

You can filter the display of this screen by resource, by team and by period.

The visibility of resources in the list is defined according to your rights defined by your profile.

You can increase the display restriction with the possibility to show only some of the validation request.

#### Color code

According to the work completed by the resource, and according to the expected workload for this resource.

The project leader receives the timesheet with a precise color code.

- **Green**: The completed job is the same as the expected one.
- **Red**: The filled workload is shorter or longer. It does not match the expected work.
- **Orange**: the job is not the same as the expected job but the load is the same.

#### Validation

In the “Timesheet submitted” column you see the date and time when the resource to send the submission.

In the “Timesheet validation” column you have the possibility to validate the work or to cancel the submission so that the resource can correct his work.
6.7.3 Monthly consolidation

Monthly consolidation allows you to view, control and validate resource allocations to a particular project for an entire month. This screen will list all the projects on which the user has visibility.

Filters will limit the list:

- Project to restrict the listed projects to this project and its sub-projects
- Project Type to restrict the listed projects to projects of this type
- Organization to restrict the listed projects to the projects of this organization
- Month and year to restrict to this date

Note: By default, this will be the last month for which projects are still blocked, or failing this it will be the current month.

This screen will display for each project not validated:

- The currently known CA
- The currently known validated load
- The total actual load currently known to the project
- The actual load consumed on the project for the selected month
- The remainder to be done currently known
• The currently known reassessed load
• The currently known margin (load) = load validated - load reassessed

For validated projects, the data displayed is that stored during validation.

**Block a project over a month**

The and buttons allow you to block or unblock charges beyond the month-end date. When the project is blocked for a given month, you cannot enter a charge for the following month, even if it has started. The block will be propagated recursively to sub-projects.

**Validate a project over a month**

The and buttons allow you to block or unblock charges beyond the month-end date. When the project is blocked for a given month, you cannot enter a charge for the following month, even if it has started. The block will be propagated recursively to sub-projects.

**Warning:** Access to the blocking / unlocking and the validation button will be configured by a specific right.

### 6.7.4 Absences

Absences must be reported as soon as possible so that the calculation of your project schedule takes into account the unavailability of resources.

Projeqtor offers two types of non-productive work records:

• A simple system, that of absences, linked to an administrative project which will make it possible to record real work in the future.

• A complex system, that of human resources, linked to a system of contracts and rights acquired over time.

Absences are related to an administrative type project.

Only one project is necessary for all the resources, without them being allocated to this project.

**Resource Selector**

Depending on your rights and profile, you can have access to the resources that you manage or only to yourself.

Select the resource whose non-productive days you want to add as well as the year on which these days will be retained.

**Types of absences**

Each type of absence is an activity related to the administrative project.

You can create as many activities as types of absences.

You must select an activity first to be able to click on calendar days.

**Accelerator**

After selecting the type of leave, click on the accelerators to enter the selected value directly in the date boxes in the calendar.

• 1: full day
• 0.5: half day on the type of leave selected
• 0: delete the days already entered
You can combine an absence recurrence for a given day.

- Select the day value (0.5, 1) and then select a day from the drop-down list.
- The corresponding days will be marked absent for the previously selected value from the current date until the end of the current year.

You can also select a period between two dates to apply the selected value.

Select the type of leave from the existing list.

Click on the boxes of the dates concerned by non-productive work or use accelerators.

The boxes are filled with the color of the leave type.

If you use the human resources absence system, then you will see the dedicated project appear.

Absences recorded via the human resources system will still be displayed on the absences screen.

**Others color**

- []
  - indicate non-working days.
- []
  - indicate real work (timesheet).
- []
  - indicates the week has been submitted/validated.
- []
  - indicate that real work recorded has been submitted/validated.
6.8 Collaboration

6.8.1 Voting management

ProjeQtOr gives users the possibility to vote on tickets, activities, change requests or requirements.

The voting functionality is a module and will need to be enabled through module management in order to be used.

To make an item votable you must create some use rules.

The principle is to assign points to users so that they can vote on a particular item.

Voting attribution rule

Points are assigned to a client and his contacts or to a user.

It is possible to assign fixed points or to assign points at a given frequency.

The user can use his own points or the points of the customer he belongs to as a contact.

The allocation is recalculated when the user logs in, for himself and for the client to which he belongs.

The calculation is based on the last date of assignment of voting points.

On the voting rules screen click on \( \text{\textbf{}} \) to create a new rule.

Fill in one of the voting elements. If the field is left empty, then the attribution will concern all the voting elements at the same time.

Fill in a value (number of points) to give to the user.

- Fix value
  - You give a well-defined number of points that will not change.
  - To reassign points, you must recreate a new attribution rule.

- Periodicity of values
  - You give a number of points which will increment at regular intervals.
  - Every day, every week, every month or every year, the user will receive the number of points entered.
Attribution

On the client or user screen, in the Voting attribution section you add the rules created beforehand.

Click to add a rule.

The pop-up opens and you can choose the rule(s) that suits your needs.

![Voting attribution pop-up](image)

The information is retrieved automatically from the allocation rule and the history of points spent.

You will be able to follow the evolution of your points directly on the customer or user screen.

Voting use rule

To be able to vote, it is necessary to create rules for the use of votes.

How the user will and can use their points, on what element and how to convert and equate points to workload days.

Click on to create a new rule

The project is not mandatory. If it is filled in then the points will only be usable on the elements of this project.

The voter can vote without having the rights to update the item, just with “read” rights on the element and a certain number of points.

The voter can withdraw his points from one element to put them on another.

Blocking status

At a stage (status to be defined), the element can be blocked: the points can no longer be edited or deleted.

conversion of points

Conversion ratio of estimated work into number of points.

For example with a ratio of 2, a ticket with 1.5 estimated work will have target points of 3.0

Fix value

The fixed value is only filled in if the assignment rule linked to the usage rule is filled in as a fixed value.

Maximum points per vote.

Vous pouvez fixer un maximum de point à utiliser sur un élément votable.
Voting use rule #1 - Voting on Tickets

Description

- **id**: #1
- **name**: Voting on Tickets
- **project**: 
- **element**: Ticket
- **type**: 
- **blocking status**: assigné
- **conversion of points**: 2
- **fix value**: 
- **maximum points per vote**: 5
- **downvoting capacity**: 
- **closed**: 

6.8. Collaboration
Si vous fixer cette valeur, vous ne pourrez jamais dépenser plus que cette valeur sur l’élément.

Downvoting capacity

The voter can vote negative. This is a good way to show your disinterest or a way of mentioning that you don’t like the general idea of the element.

Vote

When a voteable item is defined, the voting attribution table is available on the respective screens of the items.

\[ \text{Target value} = \text{ceil}(\text{planned work} \times \text{work point conversion rate}) \]

If work = 0.5j | rate = 3 \rightarrow points = 2

There is no decimal value. Round up to the next whole.

If work = 5j | rate = 2 \rightarrow points = 10

Click on the vote button to access the voting pop-up.

Fig. 114: Voting section

The target value is populated only if you have estimated work on the item.

Estimated work on tickets and requirements and validated workload on activities.

See: Dates and duration

\textbf{Tip:} Conversion

TargetValue = ceil(plannedWork \times workPointConversionRate)

If work = 0.5j | rate = 3 \rightarrow points = 2

There is no decimal value. Round up to the next whole.

If work = 5j | rate = 2 \rightarrow points = 10

Click on the vote button to access the voting pop-up.

Fig. 115: Voting pop-up
Fill in the number of points you want to use for this vote.

You can see:

- **Limit per vote**
  indicates the maximum number of points you can use for voting this item.
- **Own vote**
  The user uses his points in his own name.
- **Client vote**
  The user uses the points attached to the customer as a contact.
- **Left points**
  Indicates your remaining number of points for the user and for the customer.
- **Comment**
  The comments are added as note on the item page.

When a user/customer has voted, a tracking table allows you to see who has voted and how many points have been scored.

The rate indicates the percentage of progress for the vote of the element according to the target value and the number of votes.

On the Kanban this percentage is reflected by the color filling of the vote icon.

To modify or delete your vote, click on the edit vote button. Leave the field empty or fill in 0 to cancel your vote.

**Voting follow-up**

The area at the top of the screen allows you to view the allocation rules that are linked to you.

The area at the bottom of the screen allows you to see the voted items, sorted by descending % of votes.

Filters make it possible to restrict the view of the elements and to sort them.

Click to display the item detail in a pop-up.

Click to view or add a note.

Click to display the voting table.

Click on the voteable item’s ID to go to the item’s screen.

On this screen, a project manager (rights to be defined) can modify the target version and the status of one or more elements.

6.8. Collaboration
Voting Attribution follow-up

The vote attribution follow-up screen allows you to view the elements voted by a user.

- Username
- Name of the client if he is the latter’s contact.
- The attribution rule linked to it.
- The element affected by the assignment rule.
- the project if it has been informed about the rule of use linked to the element.
- the points acquired, spent and remaining

Several filters allow you to restrict the display by user, client and/or element.

6.9 Asset Management

This module is dedicated to the management of your IT infrastructure.

You can manage:

- All types of equipment
- Equipment categories
- Brands
- Models
- Equipement localisations

6.9.1 Equipment

This screen allows you to manage lists of licenses, versions, products or even components linked to equipment.

- Define the list of devices contained in another device.
- Display the global tree of the equipment constituting an equipment, by being able to close or expand a given level.
- When copying a device you can select the complete composition of this device.
- Each piece of equipment contained is duplicated, recursively, by initializing the unique data (serial number, references, etc.).
Access rights

You can limit the visibility of equipment.

some fields will be updated automatically to allow the user to see the items they have just created.

If a profile has creation rights and read rights only on “the items for which it is responsible”, the creation must automatically position the manager on the current user.

If a profile has creation rights and read rights only on “its own elements”, the creation must automatically position the user on the current user.

This rights management is automatically extended to all elements not dependent on the project.

Feeding the responsible field when creating an element if the user has visibility rights such as “the elements for which he is responsible”.

**Warning:** Hide buttons “Lock” and “send mail” when access right is readonly

**Note:** Each asset related to a resource or an user, is displayed on their respective screen.

See: Resource and User

Description

This section allows you to enter the details of the composition of an item of equipment.
Table 7: Fields of add an origin element dialog box

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>name</td>
<td>Name of the asset.</td>
</tr>
<tr>
<td>Asset type</td>
<td>Type of the asset defined in the asset type screen.</td>
</tr>
<tr>
<td>Brand</td>
<td>Brand of the asset defined in the brand screen</td>
</tr>
<tr>
<td>Model</td>
<td>Model of the brand of the asset.</td>
</tr>
<tr>
<td>Provider</td>
<td>Equipment provider</td>
</tr>
<tr>
<td>Asset category</td>
<td>Category of the asset. Individual or collective by default.</td>
</tr>
<tr>
<td>Parent asset</td>
<td>Link to parent equipment. This contains the other equipment. A computer has multiple devices.</td>
</tr>
<tr>
<td>Serial number</td>
<td>Serial number of the material or the serial numer of a licence.</td>
</tr>
<tr>
<td>Inventory number</td>
<td>Add your own identification number to your equipment inventory.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the asset</td>
</tr>
</tbody>
</table>

Attribution section

This section allow to define:

- A status for each device according to the selected workflow.
- An installation date and a possible decommissioning date.
- The location of the equipment, with the possibility of defining a list (see: Asset types) and / or a manual entry field for more precision.
- The user who will benefit from this equipment.
- The closed check box. Which allows to put the equipment in archive mode.

Costs section

This section allow to define costs for the selected asset.

You can set a cost for:

- Purchase value
- The warranty period
- End of warranty date
- The amortization period
• The need for insurance

**Costs**

<table>
<thead>
<tr>
<th>untaxed amount</th>
<th>full amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>purchase value</td>
<td>€ 1,280.00</td>
</tr>
<tr>
<td>warranty duration</td>
<td>48 months</td>
</tr>
<tr>
<td>warranty end date</td>
<td>04/20/2021</td>
</tr>
<tr>
<td>depreciation period</td>
<td>5 years</td>
</tr>
<tr>
<td>need insurance</td>
<td></td>
</tr>
</tbody>
</table>

Fig. 120: Costs section

**Asset composition section**

When you define an element parent, the components of the element appear in this section giving you the complete structure of an element.

<table>
<thead>
<tr>
<th>name</th>
<th>Asset type</th>
<th>Brand</th>
<th>Model</th>
<th>user</th>
</tr>
</thead>
<tbody>
<tr>
<td>SE-0014</td>
<td>Licence</td>
<td>Microsoft</td>
<td>Windows 10 pro 64b</td>
<td>John Doe</td>
</tr>
<tr>
<td>OFF-001-0012</td>
<td>Software</td>
<td>Microsoft</td>
<td>Office 2020</td>
<td>John Doe</td>
</tr>
<tr>
<td>M806C</td>
<td>Printer</td>
<td>HP</td>
<td>Deskjet</td>
<td></td>
</tr>
<tr>
<td>SCR-0014</td>
<td>Device</td>
<td>ASUS</td>
<td>VG275Q</td>
<td>John Doe</td>
</tr>
<tr>
<td>Mouse-003-034</td>
<td>Device</td>
<td>Logitech</td>
<td>G PRO</td>
<td>John Doe</td>
</tr>
<tr>
<td>Keyboard 003-0056</td>
<td>Device</td>
<td>Logitech</td>
<td>K 360</td>
<td>John Doe</td>
</tr>
</tbody>
</table>

Fig. 121: Asset composition

The button **display structure** opens a pop up which summarizes the complete composition of your equipment in table form.

You can print this box.
6.9.2 Asset types

The types of asset in equipment make it possible to list the different materials of an equipment.

For example, a workstation contains a computer, peripherals such as a screen, a mouse, a keyboard, or even a webcam, software, licenses, a printer …

But you can also create even more detailed lists with types of information storage, processing, or network equipment.

Table 8: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Code</td>
<td>Code of the type.</td>
</tr>
<tr>
<td>Workflow</td>
<td>Defined the workflow ruling status change for items of this type (see: Workflow).</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the type.</td>
</tr>
</tbody>
</table>

You can define an icon for each type of asset.

ProjeQtOr puts some icons at your disposal but you can create and import yours in the application.

Save your icons in the www\projeqtor\view\icons folder and relaunch the application.
6.9.3 Asset category

The screen of the equipment categories will allow you to make a more detailed inventory of certain equipment. You can determine for example whether a piece of equipment can be personal, for a service or collective. But you can also determine if a device is part of a hardware, network or workstation architecture.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
</tbody>
</table>

6.9.4 Brands

The brand screen allows to create a list of brands making up your IT infrastructure.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the type.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
</tbody>
</table>

6.9.5 Models

The model screen allows you to create a list of models linked to a brand and type of equipment.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>brand</td>
<td>Name of the brand.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the model</td>
</tr>
<tr>
<td>Asset type</td>
<td>Name of the asset type</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the model.</td>
</tr>
</tbody>
</table>

6.9.6 Location

Location screen allow to create a list of places so that you can locate your equipment.
Description section

Table 12: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the type.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the location.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the type is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the location</td>
</tr>
</tbody>
</table>

The “location” fields in the assets screen offers the possibility of selecting from the recorded list of locations and a manual entry field allowing you to add details with alphanumeric characters.

Adress section

You can complete the axacte address by filling in numerous fields:

- Street
- Complement
- Zip code
- City
- State
- Country

Fig. 83: all is well
CHAPTER
SEVEN

DOCUMENT MANAGEMENT TRANSLATION
7.1 Documents

ProjeQtOr integrates some EDM functionalities, and allows you to manage documents and follow the evolution of document versions. Each document or document version can then be linked to an element of ProjeQtOr (Project, Activity or other).

Concepts

- **Product**

A document is a reference element that gives a description of a project or product.

The document element describes the general information.

The file will be stored in the tool as versions.

![Fig. 1: Documents screen](image)

**Warning:** ProjeQtOr does not integrate the following features:

Full text indexing of documents, to search for a document using a keyword it contains as well as online editing of documents.
Description section

Other sections

- Linked element
- Notes

Table 1: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the context.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of the document</td>
</tr>
<tr>
<td>Project</td>
<td>Name of the project to which the document is attached</td>
</tr>
<tr>
<td>Product</td>
<td>Name of the product to which the document is attached</td>
</tr>
<tr>
<td>Directory</td>
<td>Choose the directory in which the document should be saved</td>
</tr>
<tr>
<td>Document reference</td>
<td>Automatic reference created from the parameters saved in the global parameters</td>
</tr>
<tr>
<td>External reference</td>
<td>Manual reference corresponding to your activity</td>
</tr>
<tr>
<td>Author</td>
<td>The author, the creator of the document.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the document is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the document is cancelled.</td>
</tr>
</tbody>
</table>

Project and Product

Must be concerned either with a project, a product or both.
If the project is specified, the list of values for field “Product” contains only products linked to the selected project.

Field Author

Positioned by default as the connected user.
Can be changed (for instance if the author is not the current user).

Section Lock

This section allows to manage document locking.
When a document is locked the following fields are displayed.

- Lock

  unlock this document

  lock

  locked by admin

  locked since 01/22/2021 11:32

Fig. 2: Lock document section

- Locked: box checked indicates the document is locked.
• Locked by: user who locked the document.
• Locked since: date and time when document was locked.

lock/unlock this document
• Button to lock or unlock the document to preserve it from being editing, or new version added.
• When document is locked it cannot be modified
• When the document is locked, it can not be downloaded except for the user who locked it or a user with privilege
• Only the user who locked the document, or a user with privilege can unlock it
• You can forbid Global Parameters
7.1.1 Document versioning

This section allows to manage version list of document.

Document versioning allows to keep different version at each evolution of the document.

Document can evolve and a new file is generated at each evolution.

Type of versioning must be defined for a document.

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Status</th>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td>v2.0</td>
<td>01/04/2021</td>
<td>recorded</td>
<td>TECHSp.2356-22-2021.pdf</td>
</tr>
</tbody>
</table>

Fig. 3: Versioning section

- Click on + to add a new version.
- Click on - to download file at this version.
- Click on to modify a version.
- Click on to delete a version.
- Click on to display the history for approvals for version

**Note: Drag and drop**

You can drag your file directly onto the screen.

The “document version” pop-up opens automatically to allow you to drop your file into the pop-up window.
Type of versioning

A document can evolve following four ways defined as versioning type:

Evolutive
- Version is a standard Vx.y format.
- It is the most commonly used versioning type.
- Major updates increase x and reset y to zero.
- Minor updates increase y.

Chronological
- Version is a date.
- This versioning type is commonly used for periodical documents.
- For instance: weekly boards.

Sequential
- Version is a sequential number.
- This versioning type is commonly used for recurring documents.
- For instance: Meeting reviews.

Custom
- Version is manually set.
- This versioning type is commonly used for external documents, when version is not managed by the tool, or when the format cannot fit any other versioning type.

Document viewer

- Document viewer available for image, text and PDF files.
- Click on to display the pop up.

Note: Drag and drop

You can drag your file directly onto the screen.
The “document version” pop-up opens automatically to allow you to drop your file into the pop-up window.

Note: Name of download file

The name of download file will be the document reference name displayed in description section.
If you want to preserve the uploaded file name, set the parameter in the Global parameters
Field “Update”

A version can have a draft status, that may be removed afterwards.

Field “Is a reference”

Should be checked when version is validated.
Only one version can be the reference for a document.
Reference version is displayed in bold format in the versions list.

Field “Description”

May be used to describe updates brought by the version.
This icon appears when the description field is filled.
Moving the mouse over the icon will display description text.

7.1.2 Approval process

You can define approvers for a document.
Only users assigned to the project linked to the document can be added.

- Click on to add an approver
- Click on to delete an approver
The approvers

When an approver is created in the list, the approver is also automatically added to the latest version of the document. When adding a version to the document, approvers are automatically added to the version. Each approver can see the list of documents to approve on their Today screen.

![Fig. 5: Documents to be approved on the today screen](image)

On the Documents screen, the approver can approve or reject the document. All approvers of the document can view the response of other approvers.

![Fig. 6: Documents to be approved on the today screen](image)

Once the document is **approved**, the line is then checked and the date and time of the approval recorded. If the document is **rejected**, the line is then marked with a cross with date and rejection cause.

**Approval status**

This status allows you to globally track the status of the approval.
It can be used in a filter, like all the other fields of the document object, calculated according to the approval status of the latest version of the document and may take the following values:

- **Without approval**: if no approver has been added to the list of approvers
- **Rejected**: if at least one approver rejected the version of the document
- **Pending approval**: if there is at least one approver who has not approved the document and no one has yet rejected the version of the document
- **Approved**: if all approvers approved the document.

**Note:** The quick search only display documents that are in directories to which the user has rights.

Send a reminder email to approvers

Send an email to approvers who have not yet validated the document.

Those who have already validated it will not receive this email.

The sending will be effective if an email address has been registered for the user.
7.1.3 Document directories

Document directories management allows to define a structure for document storage.

**Location**

- The files of document will be stored in the folder defined by the parameters **Document root** and **Location**.
- **Document root** is defined in **Global parameters** screen.
- **Location** is automatically defined as «Parent directory» / «Name».
- **Product** will be the default to new stored documents in this directory.
  - If the project is specified, the list of values contains the products linked the selected project.
  - If the project is not specified, the list of values contains all products defined.
- The **Default type** will be the default to new stored documents in this directory.

**Directory access rights**

- The list of documents only displays Documents that are in directories for which the user has read rights.
- You can define the access rights to documents according to the profile at each level of the document directory tree.
- There is no notion of inheriting rights to subdirectories.
- You define for each profile the CRUD right (create / read / update / delete) on each directory.
- The rights defined in the “Project dependent data access” rights screen will only be used as a definition of default values when creating a directory.

See: **Documents rights per directory**

**Note:**

- Note that if a directory is dedicated to a project, the profile used for assigning rights is the user’s profile on this project, otherwise it is his default profile.
- The assignment of modification or deletion rights without assigning read rights is inconsistent and will not be taken into account.
7.1.4 Global export for document

The export of documents allows the extraction of documents in .zip file format.

The generated .zip file will be named with the formatting nameElement_UserN°ID.zip

You will be able to extract:

- All documents in a directory
- All the documents for a given element (project, activity, ticket, etc.)
- All the documents of a project and its elements
- All the documents of a project and its elements including the sub-projects and the elements of these sub-projects.

This includes attached files in addition to documents.

Extract files for project

Fig. 7: Document’s files extraction for project

- Click on in the tools menu in the details area to open the pop up
  Extract project document
  All documents related to the selected project will be exported.
  Extracted file names
  Name preservation is only active on documents.
  The initial name keeps the exact name of your document.
The formatted name retrieves the document reference and the extracted version.

Extracted version for each document
Two possibilities:
- Last version
- Reference version

**Warning:** The reference version is not necessarily the last version

Extract sub-project files
Without this option the sub-projects will not be included in the extraction.

Extract project elements document
Each element of the project containing documents will be exported.
Each item will have its own folder in the zip file.

Extract attachments
All the attached files on the project and its elements will be exported.

**Extract files for directories**

The document directories can be extracted in their entirety.

Fig. 8: Document’s file Extraction for directories

Fig. 9: Exemple Extract files for directory
When extracting directories including sub-directories, we find in the generated zip file only the sub-directories containing documents.

Extract file names
Name preservation is only active on documents.
The initial name keeps the exact name of your document.
The formatted name retrieves the document reference and the extracted version.

Extract document version

Two possibilities:
- Last version
- Reference version

Warning: The reference version is not necessarily the last version

Extract sub-directories
Without this option the sub-directories will not be included in the extraction.

Extract for item

The documents, attached files can be extracted of an item.

Extracted file names
Name preservation is only active on documents.
The initial name keeps the exact name of your document.
The formatted name retrieves the document reference and the extracted version.

Extracted version for each document
Two possibilities:
- Last version
• Reference version

**Warning:** The reference version is not necessarily the last version

Extract attachments
Include attached files in the extract

### 7.1.5 Nomenclature

**Product designation in the document nomenclature**

Possibility to take into account the designation of the product in the nomenclature of documents with the new codes

- `{PROD}` product designation
- `{PROJ/PROD}` the project code if specified, otherwise the product designation
- `{PROD/PROJ}` designation of the product if specified, otherwise the project code

### 7.2 Translation

Translations are a separate module. By activating it you have access to a series of screens allowing you to manage your translation requests.

See: *Module management*

#### 7.2.1 Translation request

You must enable configuration management to manage products, product versions, and release components. When you request a translation, the fields “version component” and “product version” are mandatory.

![Fig. 11: Module management screen](image-url)
7.2.2 Translation

When you perform a translation request, a translation line is created for each language associated with the product or component version.

<table>
<thead>
<tr>
<th>#</th>
<th>Translation</th>
<th>name</th>
<th>status</th>
<th>translator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Notice VB758 - French</td>
<td>recorded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Notice VB758 - Spanish</td>
<td>recorded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Notice VB758 - German</td>
<td>recorded</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 12: Translation items

Each of these lines are displayed on the translation screen.

You will find the information entered in the translation requests screen. These fields are grayed out and can only be modified on the request screen.

The only field available is that of translators.

The list of translators is proposed according to the skills indicated on the translators and the languages requested during the request.

If the text to be translated is of German origin and the destination languages are English and Spanish, then the translator must know these three languages to appear in the lists.

If no translator appears in the lists, it means that you do not have the competent translators for this translation.
7.2.3 Translators

You register your translators from your resources.

- Each translator can have one or more associated languages.
- Each language has a skill level.

7.2.4 Language skill level

You set the skill levels on this screen.

The levels are customizable and you can create as many as you want.

By default, ProjeQtOr offers you the 3 most basic levels: beginner, intermediate and advanced.

These skill levels are required of you when creating your Translators.

7.2.5 Translation requests and items types

You define the types of translation that you will use in your business.

This allows you to apply a different workflow and behavior for each type.

For each type you can apply automatisms.

Translation lines also have the possibility of being typed.

You can more easily compartmentalize your requests.

See: List of types
8.1 Expenses

8.1.1 Hierarchical budget

The hierarchical view of budgets allows you to display an overview of budgets in a graphic way with an indent system for better reading.

You can filter the list of budgets using the parent budget filter.

You can display a particular budget family.

You can move budgets by “drag and drop”.

![Hierarchical budget screen](image)

**Fig. 1: Hierarchical budget screen**

8.1.2 Budget

A budget is a list of all products and different expenses to plan. It is a plan that allows to define in advance the expenses, the incomes and the possible savings to be realized during a definite period.

It allows to anticipate the resources that the company will have at a specific moment.

- You can create as much budget and sub budget as you want.
- An expense is related to a base budget, ie a budget item
- A budget item is linked to a parent budget
- Only the current budget items will be displayed in the lists.
- Current, under construction and closed budgets will not appear in the lists. To view the closed items, check the “closed” box.

Budget parent filter

With the filter, you can display in the list area, only a budget and its family (sub-budget).

An indentation of these to the right shows that they are sub-budgets.

To see the closed items in this list, check the “closed” box.
Fig. 2: Budget Screen

FILTERS

id
name
type
client
parent budget
quick search

always display

display direct status filters

Advanced filters

Advanced stored filters

no filter clause

Fig. 3: Filerts on budget
If you change the name of a budget, remember to refresh the page so that the lists take into account the changes.

- The parent budget exists only to consolidate the data of the underlying budget items.
- You cannot modify the expenses in the Progress field of a parent budget.
- Only the target amount can be changed if the budget treatment is still under construction.

The budget item

- The budget item is the finer element of the budget analysis.
- These posts or budget destinations will allow you to detail your budget, categorizing it at your convenience.
- When you create a *project expenses* or an *individual expenses*, you can link them to a specific budget item.

### Description

This section allows to identify items of the element.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the budget</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the budget</td>
</tr>
<tr>
<td>Budget type</td>
<td>Type of budget: initial or additional</td>
</tr>
<tr>
<td>Budget orientation</td>
<td>The orientation of the budget: operation or transformation</td>
</tr>
<tr>
<td>Budget category</td>
<td>Subdivision of budget orientation into category</td>
</tr>
<tr>
<td>Article number</td>
<td>The number of the article</td>
</tr>
<tr>
<td>Organisation</td>
<td>Name of the organisation</td>
</tr>
<tr>
<td>Customer Code</td>
<td>The code you attribute to your client</td>
</tr>
<tr>
<td>is sub-budget of</td>
<td>If your budget is part of another budget</td>
</tr>
<tr>
<td>Sponsor</td>
<td>From the budget. If your budget comes from grant for example</td>
</tr>
</tbody>
</table>

### Treatment

This area allow you to change the macro state of the budget.

- A budget may be under construction
- A budget under construction does not allow to see the fields “target amount” and prevents the modification of the estimated amount
- The “approved” macro-state changes and automatically cancels the “under construction” macro state. The date is then displayed in the fields of the macro-state concerned.
- Each sub-budget is then impacted and the “approved” state will then be propagated on all of his family.
- Each macro state “under construction”, “approved”, “closed” and “canceled” modified from the parent budget screen propagates in cascade over the entire budget hierarchy.
Table 2: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Change of states according to the Workflow selected for the type of your budget</td>
</tr>
<tr>
<td>Is a budget item</td>
<td>Self-checked box when the budget becomes a sub-budget</td>
</tr>
<tr>
<td>Under construction</td>
<td>When the budget is validated. The box is unchecked</td>
</tr>
<tr>
<td>Approved</td>
<td>When the box is checked, the target amount is blocked</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that profile is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that profile is cancelled.</td>
</tr>
</tbody>
</table>

Progress

This section allows to follow the consolidation of all the expenses.
The target amount is the only amount that you can change on a parent budget if it is still under construction. The other amounts are recovered from the sub-budgets and consolidated on the parent budget. Transferred Amount allows to release a sum of an amount planned for a budget item in order to redistribute it to another item. This amount is visible on all budget items.

Transferred Amount

• Enter a negative amount on a budget line to transfer an amount
• Enter a positive amount on a budget line to recover this amount
• Only the parent budget and its sub budget will see this amount.
• Another parent budget can not recover this amount.

Budget expense detail

This section displays lines in detail. This section, available at the first level of the parent budget, displays in detail the expense lines of the project that have been linked to the defined budget items.

<table>
<thead>
<tr>
<th>name</th>
<th>date</th>
<th>untaxed amount</th>
<th>tax amount</th>
<th>full amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>#3 - 10 Servers</td>
<td>03/01/2021</td>
<td>4,500,00 €</td>
<td>900,00 €</td>
<td>5,400,00 €</td>
</tr>
<tr>
<td>real</td>
<td>01/29/2021</td>
<td>5,400,00 €</td>
<td>1,080,00 €</td>
<td>6,480,00 €</td>
</tr>
</tbody>
</table>

Fig. 5: Details lines

8.1.3 Project expense

8.1. Expenses
Other sections

- Expenses detail lines
- Linked element
- Attachments
- Notes

A project expense stores information about project costs that are not resource costs.

This can be used for all kinds of project cost:

- Machines (rent or buy).
- Softwares.
- Office.
- Any logistic item.

Section Description

Table 3: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the expense.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the expense</td>
</tr>
<tr>
<td>Type</td>
<td>Type of expense: machine or office expense</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the expense</td>
</tr>
<tr>
<td>Provider</td>
<td>Provider name</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference of the expense</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the quotation</td>
</tr>
<tr>
<td>Business responsible</td>
<td>The person who makes the purchase requisition</td>
</tr>
<tr>
<td>Financial responsible</td>
<td>The person who pays the purchase</td>
</tr>
<tr>
<td>Payment conditions</td>
<td>Conditions of payment</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the expense</td>
</tr>
</tbody>
</table>

Section Treatment

Table 4: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the expense.</td>
</tr>
<tr>
<td>Order date</td>
<td>Date of the order.</td>
</tr>
<tr>
<td>Delivery mode</td>
<td>Delivery mode for the order.</td>
</tr>
<tr>
<td>Delivery delay</td>
<td>Delivery delay for the order.</td>
</tr>
<tr>
<td>Expected delivery date</td>
<td>Expected delivery date for the order.</td>
</tr>
<tr>
<td>Date of receipt</td>
<td>Date of receipt of the order.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the expense is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the expense is cancelled.</td>
</tr>
<tr>
<td>Planned</td>
<td>Planned amount of the expense (Date is mandatory).</td>
</tr>
<tr>
<td>Real</td>
<td>Real amount of the expense (Date is mandatory).</td>
</tr>
<tr>
<td>Payment done</td>
<td>Box checked indicates the payment is done.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment of the expense.</td>
</tr>
</tbody>
</table>
Fields Planned & Real

- **Ex VAT**: Amount without taxes.
  - Real amount is automatically updated with the sum of the amounts of detail lines.
- **Tax**: Applicable tax.
- **Full**: Amount with taxes.
- **Payment date**:
  - For field “Planned” is the planned date.
  - For field “Real” can be the payment date or else.

8.1.4 Activity expenses

An activity expense is directly linked to an activity and therefore consolidated up to the project.

One stores cost information directly on the activity and adds to the stored project and resource information.

![Fig. 6: Expense activity](image)

Treatment

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the expense.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the processing of this expense</td>
</tr>
<tr>
<td>Planned</td>
<td>Planned amount of the expense (Date is mandatory)</td>
</tr>
<tr>
<td>Real</td>
<td>Real amount of the expense (Date is mandatory)</td>
</tr>
<tr>
<td>Budget item</td>
<td>Budget item related to expense</td>
</tr>
<tr>
<td>Payment done</td>
<td>Box checked indicates the payment is done.</td>
</tr>
<tr>
<td>Closed</td>
<td>The box is checked automatically when the invoice linked to this expense is paid</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the expense is cancelled</td>
</tr>
</tbody>
</table>

8.1. Expenses
8.1.5 Individual expenses

An individual expense stores information about individual costs, such, for example, as travel costs. This can for instance be used to detail all the expense on one month so that each user opens only one individual expense per month (per project), or detail all the elements of a travel expense.

Treatment

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the expense.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the processing of this expense</td>
</tr>
<tr>
<td>Planned amount</td>
<td>Planned amount of the expense (Date is mandatory)</td>
</tr>
<tr>
<td>Real amount</td>
<td>Real amount of the expense (Date is mandatory)</td>
</tr>
<tr>
<td>Budget item</td>
<td>Budget item related to expense</td>
</tr>
<tr>
<td>Payment done</td>
<td>Box checked indicates the payment is done.</td>
</tr>
<tr>
<td>Closed</td>
<td>The box is checked automatically when the invoice linked to this expense is paid</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the expense is cancelled</td>
</tr>
</tbody>
</table>

8.1.6 Expenses detail lines

Fig. 7: Project details lines

This section is common to individual, activity and project expenses. It allows to enter detail on expense line.

### Field: Real amount and date

- When a line is entered, expense real amount is automatically updated to sum of lines amount.
- Real date is set with the date in the first detail line.

- Click on + to add a detail line.
- Click on to modify an existing detail line.
- Click on to delete the detail line.

Field: Date

This allows to input several items, during several days, for the same expense, to have for instance one expense per travel or per month.

Field: Type
Depending on type, new fields will appear to help calculate the amount. Available types depending on whether individual or project expense. See: Expenses details types.

Field Amount
Automatically calculated from fields depending on type. May also be input for type “justified expense”.

Financial expenses synthesis
When your financial elements have been linked and attached to a project expense (detailed or not), you will find the summary of these elements.

<table>
<thead>
<tr>
<th>Financial expense synthesis</th>
<th>show detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provider tenders</td>
<td></td>
</tr>
<tr>
<td>Order to provider</td>
<td></td>
</tr>
<tr>
<td>Provider invoices</td>
<td></td>
</tr>
<tr>
<td>Terms of payments to providers</td>
<td></td>
</tr>
<tr>
<td>Payments to provider</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>name</th>
<th>date</th>
<th>external reference</th>
<th>untamed amount</th>
<th>tax amount</th>
<th>full amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provider tenders</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order to provider</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provider invoices</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Terms of payments to providers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payments to provider</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 8: Financial expenses synthesis with details lines

8.1.7 Call for tenders

This screen allows you to record information on your needs for any request for tenders from your providers. This can be used to detail all requests and find the best proposal. To help you do this, you have the option of creating different evaluation criteria. You can then assign a value to them in the offer.

8.1. Expenses
The call for tenders, once saved, automatically creates a provider offer for each of the selected providers.

**Description**

Table 7: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the call for tender</td>
</tr>
<tr>
<td>Name</td>
<td>Short name of the call for tender</td>
</tr>
<tr>
<td>Type</td>
<td>Type of tender. See: <em>List of type</em></td>
</tr>
<tr>
<td>Project</td>
<td>Project link to call for tender</td>
</tr>
<tr>
<td>Maximum amount</td>
<td>Maximum amount of the call for tender</td>
</tr>
<tr>
<td>Expected delivery date</td>
<td>Date expected</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the tender</td>
</tr>
<tr>
<td>Business requirements</td>
<td>Description of the requirements</td>
</tr>
<tr>
<td>Technical requirements</td>
<td>Description of the technical requirements</td>
</tr>
<tr>
<td>Other requirements</td>
<td>Description of the others requirements (organization, financial...)</td>
</tr>
</tbody>
</table>

**Treatment**

Table 8: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual <em>status</em> of the item according to the workflow you have selected.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the processing of this call for tender.</td>
</tr>
<tr>
<td>Sent date</td>
<td>Sent date of the call for tender.</td>
</tr>
<tr>
<td>Expected answer date</td>
<td>Expected answer date, meaning expected tender date.</td>
</tr>
<tr>
<td><em>In progress</em></td>
<td>Box checked indicates that the tender is <em>In progress</em> with date when checked.</td>
</tr>
<tr>
<td><em>Done</em></td>
<td>Box checked indicates that the tender is <em>done</em> with date when checked.</td>
</tr>
<tr>
<td><em>Closed</em></td>
<td>Box checked indicates that the tender is <em>archived</em> with date when checked.</td>
</tr>
<tr>
<td><em>Cancelled</em></td>
<td>Box checked indicates that the tender is <em>cancelled</em>.</td>
</tr>
<tr>
<td>Result</td>
<td>Description or analysis of the desired result.</td>
</tr>
</tbody>
</table>

**Submissions of tenders**

This section contains the list of providers to whom the invitation to tender is sent.

- Click on ![+] to add a provider to the list.
- Click on ![edit] to edit informations.
- Click on ![delete] to delete a provider to the list.

A pop up is displayed. Fill in the different fields necessary for your needs.

- You can choose a specific supplier contact.
- The contacts available in the list are linked to the selected supplier.
- These contacts must be registered in advance on the provider’s screen.
- Change supplier, the contact list will adapt
- The dates of the request and the expected response.
- The status of the submission to tender. Several statuses are available.
Submissions of tenders

<table>
<thead>
<tr>
<th>provider</th>
<th>requested</th>
<th>expected</th>
<th>received</th>
<th>evaluation amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDLC</td>
<td>01/25/2021 10:00:00</td>
<td>02/15/2021 12:00:00</td>
<td></td>
<td>0,00 €</td>
</tr>
<tr>
<td>DELL</td>
<td>01/25/2021 10:00:00</td>
<td>02/15/2021 12:00:00</td>
<td></td>
<td>0,00 €</td>
</tr>
<tr>
<td>HP</td>
<td>01/25/2021 10:00:00</td>
<td>02/15/2021 12:00:00</td>
<td></td>
<td>0,00 €</td>
</tr>
</tbody>
</table>

Fig. 10: Submission to call for tender pop-up

- They are fully configurable and customizable. Each status has a color code.
- See: List of values

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provider</td>
<td>Name of the provider to which the offer was sent as well as the color code corresponding to the provider’s status.</td>
</tr>
<tr>
<td>Requested</td>
<td>Request date when tender sent with the hour.</td>
</tr>
<tr>
<td>Expected</td>
<td>Answer date expected with the hour.</td>
</tr>
<tr>
<td>Received</td>
<td>Date of receipt of the provider’s offer</td>
</tr>
<tr>
<td>Evaluation amount</td>
<td>Evaluation note given to the provider upon receipt of the offer according to the selected criteria and the total amount.</td>
</tr>
</tbody>
</table>

You can access to each offer by clicking on the name of the provider or by visiting the provider offers screen.

**Evaluation Criteria**

This section allows you to add evaluation criteria to rate your providers based on your requests.

- Click on + to add a criteria
- Click on to modify a criteria
- Click on to delete a criteria

![Tender evaluation criteria](image)

Fig. 11: Add an evaluation criteria

- Name your evaluation criteria.
- Assign a maximum rating value.
- Assign a coefficient according to the importance of the criteria.
• The score is calculated based on the values assigned and reported in the “submission of tenders” table.

Tip: Click on 🖤 to logically switch from one financial item to another:

Call for tenders -> Provider tenders -> Order to provider -> Terms/Bills -> Payments to providers

Each time you copy a financial item, the most logical financial item for the rest of the order process will be displayed automatically.

The amount of expense of these elements will be recovered, passed on and linked to each of the others and will allow you more precise monitoring.

You can prevent the carry forward of amounts or the generation of expenses in the global parameters.
8.1.8 Provider Tenders

Provider tenders store information about responses to tenders you have submitted. This can be used to detail all the offers, compare them, evaluate them to choose the most suitable for your needs.

Fig. 12: Provider tender screen

An offer can be created manually or generated automatically following a call for tenders. Each provider added to the invitation to tender will generate an offer.

Description

Table 9: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the tender.</td>
</tr>
<tr>
<td>Name</td>
<td>Short name of the tender.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of tender. See: List of type</td>
</tr>
<tr>
<td>Project</td>
<td>Project link to tender.</td>
</tr>
<tr>
<td>Call for tender</td>
<td>Link to call for tender.</td>
</tr>
<tr>
<td>Tender status</td>
<td>Statut of the tender.</td>
</tr>
<tr>
<td>Provider</td>
<td>Provider of the tender.</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference of the tender.</td>
</tr>
</tbody>
</table>
Treatment

Table 10: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Status</strong></td>
<td>Actual status of the tender.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the processing of this tender.</td>
</tr>
<tr>
<td>Contact</td>
<td>Contact of the tender.</td>
</tr>
<tr>
<td>Request date</td>
<td>Request date for tender.</td>
</tr>
<tr>
<td>Expected answer date</td>
<td>Expected answer date of the tender.</td>
</tr>
<tr>
<td>Date of receipt</td>
<td>Date of receipt of the tender with the hour.</td>
</tr>
<tr>
<td>Offer validity</td>
<td>Offer validity date.</td>
</tr>
<tr>
<td>Initial</td>
<td>Initial amount not taxed - Amount of tax applicable by the provider and the type of product - Total amount with discount taken into account.</td>
</tr>
<tr>
<td>Discount</td>
<td>Negotiated price - Enter a numerical value and the percentage is calculated automatically. And conversely, enter a percentage, the numerical value is generated automatically.</td>
</tr>
<tr>
<td>Total</td>
<td>Total amount with discount taken into account.</td>
</tr>
<tr>
<td>Project expense</td>
<td>Connect your provider’s offer to an existing project expense.</td>
</tr>
<tr>
<td>Generate expense</td>
<td>Automatically create expenses from the current item. The name of the project expenditure generated will include the name of the tender and the date of receipt.</td>
</tr>
<tr>
<td>Payment conditions</td>
<td>Type of payment conditions.</td>
</tr>
<tr>
<td>Delivery delay</td>
<td>Delivery delay of the tender.</td>
</tr>
<tr>
<td>Expected delivery date</td>
<td>Expected delivery date of the tender.</td>
</tr>
<tr>
<td><strong>In progress</strong></td>
<td>Box checked indicates that the tender is In progress with date when checked.</td>
</tr>
<tr>
<td><strong>Done</strong></td>
<td>Box checked indicates that the tender is done with date when checked.</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Box checked indicates that the tender is archived with date when checked.</td>
</tr>
<tr>
<td><strong>Cancelled</strong></td>
<td>Box checked indicates that the tender is cancelled.</td>
</tr>
<tr>
<td>Result</td>
<td>Description or analysis of the expected result from this provider.</td>
</tr>
</tbody>
</table>

**project expenses and generate expense**

![Project expenses and generate expense table](image)

Fig. 13: Generate expense

You can attach a specific expense to your order.

Select a manually created expense from the project expense list.

If you have not created an expense upstream, check the generate expense box, a line will then be created in the project expenses.
Evaluation

The Evaluation section is only available when the offer is linked to a call for tenders.

If the offer is created manually, the evaluation section does not offer criteria.

When the link is made then:

- You can assign evaluation criteria
- You can assign a rating with a coefficient system.
- The evaluation will display a summary of your criteria with their scores.
- The overall score will then be displayed on the invitation to tender for all the offers concerned.
- See: the criteria evaluations in the Call for tenders chapter

Fig. 14: Evaluation section
8.1.9 Orders to provider

This screen allow to manage the orders to provider.

![Order to provider screen](image)

Fig. 15: Order to provider screen

**Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Id</strong></td>
<td>Unique Id for the expense</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Short description of the expense</td>
</tr>
<tr>
<td><strong>Order to provider type.</strong></td>
<td>Type of order product and/or Service. See: <em>Order to Provider types</em></td>
</tr>
<tr>
<td><strong>Project</strong></td>
<td>The project concerned by the order</td>
</tr>
<tr>
<td><strong>Sent date</strong></td>
<td>Date of sending to the provider</td>
</tr>
<tr>
<td><strong>Origin</strong></td>
<td>Element which is the origin of the quotation</td>
</tr>
<tr>
<td><strong>Provider</strong></td>
<td>Name of the provider</td>
</tr>
<tr>
<td><strong>External Reference</strong></td>
<td>Provider reference</td>
</tr>
</tbody>
</table>
8.1. Expenses

Fig. 16: Order to provider - Treatment section
Treatement

Table 12: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Defines the progress of the processing of the element according to the workflow used</td>
</tr>
<tr>
<td>Responsible</td>
<td>Name of the person in charge of the order</td>
</tr>
<tr>
<td>Contact</td>
<td>Name of the contact related to the order at the provider</td>
</tr>
<tr>
<td>payment conditions</td>
<td>Description of payment terms</td>
</tr>
<tr>
<td>Delivery delay</td>
<td>From the validation of the order, processing time and preparation of the order</td>
</tr>
<tr>
<td>Delivery date: Planned date</td>
<td>Delivery date planned by the provider</td>
</tr>
<tr>
<td>Delivery date: Real date</td>
<td>Date of receipt of delivery</td>
</tr>
<tr>
<td>Delivery date: Validated date</td>
<td>Date of validation of delivery to the service provider</td>
</tr>
<tr>
<td>In progress status</td>
<td>Defines whether ‘In progress’ flag is automatically set for this status</td>
</tr>
<tr>
<td>Done status</td>
<td>Defines whether ‘done’ flag is automatically set for this status</td>
</tr>
<tr>
<td>Closed status</td>
<td>Defines whether ‘closed’ flag is automatically set for this status</td>
</tr>
<tr>
<td>Cancelled status</td>
<td>Defines whether ‘cancelled’ flag is automatically set for this status</td>
</tr>
<tr>
<td>Untaxed amount</td>
<td>Amount of the order without taxes</td>
</tr>
<tr>
<td>Tax rate</td>
<td>Applicable tax rates in your country/region</td>
</tr>
<tr>
<td>Tax Amount</td>
<td>Total amount of taxes calculated based on Taxe rate</td>
</tr>
<tr>
<td>Full amount</td>
<td>Total amount of the order including taxes</td>
</tr>
<tr>
<td>Project expense</td>
<td>Connect your provider’s offer to an existing project expense</td>
</tr>
<tr>
<td>Generate expense</td>
<td>Automatically create expenses from the current item. The name of the project expenditure generated will be the same as that of the order.</td>
</tr>
<tr>
<td>Comment</td>
<td>Leave your comments here</td>
</tr>
</tbody>
</table>

List of terms orders

This section allows you to create one or more terms for your invoices.

- Click on + to add a term. A pop-up opens.
- Click on = to add an existing term.

**List of terms**

<table>
<thead>
<tr>
<th>+</th>
<th>id</th>
<th>date</th>
<th>amount</th>
<th>provider invoice</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>#2</td>
<td>01/25/2021</td>
<td>1 080,00 €</td>
<td></td>
</tr>
<tr>
<td></td>
<td>#3</td>
<td>02/25/2021</td>
<td>1 080,00 €</td>
<td></td>
</tr>
<tr>
<td></td>
<td>#4</td>
<td>03/25/2021</td>
<td>1 080,00 €</td>
<td></td>
</tr>
<tr>
<td></td>
<td>#5</td>
<td>04/25/2021</td>
<td>1 080,00 €</td>
<td></td>
</tr>
<tr>
<td></td>
<td>#6</td>
<td>05/25/2021</td>
<td>1 080,00 €</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>5 460,00 €</strong></td>
</tr>
</tbody>
</table>

Fig. 17: List of term section

- The name and the date are mandatory.
- Enter the number of installments you want to pay your invoice.
- If 1 then it is a cash payment.
- When you enter several terms, the calculation on the total amount is done automatically.
- When you copy your order as an invoice, the terms are automatically added to it.
8.1. Expenses

Fig. 18: Terms creation pop-up
• You can add due dates from the provider invoices screen if you have not done so on this screen.

![Calculation after number of deadlines entered](image)

When you transform your order into an invoice, the terms recorded in the offer are automatically transferred to the invoices.

See: *List of terms*

In the order, these will be filled in as invoiceed with a link to the latter.

![List of terms invoiceed](image)
8.1.10 Terms of payments to providers

In France, inter-company payment periods are regulated and set at maximum 60 calendar days or 45 days end of month from the date of issue of the invoice.

Failing to mention the payment period in the contract or the invoice, it is legally fixed to 30 days after receipt of the goods or performance of the service.

- Depending on the sector, deadlines are modifiable
- You can save, organize, track and edit your payment dates to your provider
- You can record one or more payment delays on each invoice to the service provider.
- A invoice can therefore be paid either in cash or in several installments.
- Each recorded due date, whether on the supplier orders screen or on the supplier invoices screen, generates a line on the terms screen.

**Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the term of payment</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the term</td>
</tr>
<tr>
<td>Project</td>
<td>project attached to the term of payment</td>
</tr>
<tr>
<td>Order to provider</td>
<td>Name of the order attached to the term of payment</td>
</tr>
<tr>
<td>Provider Bill</td>
<td>the provider’s invoice</td>
</tr>
<tr>
<td>Responsible</td>
<td>Name of the person in charge of the payment</td>
</tr>
</tbody>
</table>

**Fixed price for term**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial ex VAT</td>
<td>Amount before taxes</td>
</tr>
<tr>
<td>Tax</td>
<td>Applicable tax</td>
</tr>
<tr>
<td>Full</td>
<td>Amount with taxes</td>
</tr>
<tr>
<td>Date</td>
<td>date of expiry</td>
</tr>
<tr>
<td>Billed status</td>
<td>If payment has been invoiceed</td>
</tr>
<tr>
<td>Paid status</td>
<td>If payment has been paid</td>
</tr>
<tr>
<td>Closed status</td>
<td>Defines whether ‘closed’ flag is automatically set for this status.</td>
</tr>
</tbody>
</table>

**Note:**

- **Ex VAT:** The column value is automatically updated with the sum of invoice line amounts.
- **Tax:** If the tax is not defined, nothing is applied in this field and the amount will remain without tax
- **Full:** If the total amount exclusive of tax and the tax rate have been entered, the total amount will be calculated automatically
- On the project, the sum of the expenses must be carried out in including taxes if the entry of expenses is in including taxes
8.1.11 Provider invoices

This screen is used to manage invoices generated manually or linked to provider offers.

![Provider invoice screen](image)

**Fig. 21: Provider invoice screen**

### Description

Table 15: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the term of payment</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the term</td>
</tr>
<tr>
<td>Provider</td>
<td>The way to define common behavior on group of invoices</td>
</tr>
<tr>
<td>Project</td>
<td>project attached to the invoice</td>
</tr>
<tr>
<td>Date</td>
<td>Date of the invoice</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the quotation</td>
</tr>
<tr>
<td>Provider name</td>
<td>Provider name</td>
</tr>
<tr>
<td>External reference</td>
<td><em>External reference</em> of the provider’s invoice</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the expense</td>
</tr>
</tbody>
</table>
Treatment

Table 16: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>status</td>
<td>Actual status of the expense.</td>
</tr>
<tr>
<td>Responsible</td>
<td>person placing the order</td>
</tr>
<tr>
<td>Contact</td>
<td>name of the person at the provider related to this invoice</td>
</tr>
<tr>
<td>Payment conditions</td>
<td>the payment terms of the provider</td>
</tr>
<tr>
<td>Payment due date</td>
<td>expected payment date</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates that the tender is In progress with date when checked.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates that the tender is done with date when checked.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the tender is archived with date when checked.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the tender is cancelled.</td>
</tr>
</tbody>
</table>

List of terms

Fig. 22: List of terms invoiceed

This section allows you to create one or more terms for your invoices.

If your invoice was created from an order, then the terms recorded on the offer will be automatically recovered on the invoice.

- Click on + to add a term. A pop-up opens.
- Click on to add an existing term.
- Click on to remove a term.
- The name and the date are mandatory.
- Enter the number of installments you want to pay your invoice.
- If 1 then it is a cash payment.

When you transform your order into an invoice, the deadlines recorded in the order are automatically transferred to the invoices.

In the orders, in the deadlines section, these will be indicated as invoiced

Each line provides a link to the item screen.

8.1. Expenses
Fig. 23: Terms creation pop-up

Fig. 24: List of terms invoiceed
8.1.12 Payments to provider

Follow the payment of your provider invoices to better organize your general cash flow or your working capital.

Description

Table 17: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the term of payment</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the payment</td>
</tr>
<tr>
<td>Payment to Providers types</td>
<td>The way to define common behavior on payments to provider</td>
</tr>
</tbody>
</table>

Treatment

Table 18: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payment mode</td>
<td>Groups different payment methods.</td>
</tr>
<tr>
<td>Payment date</td>
<td>The date on which the payment method chosen above will be made.</td>
</tr>
<tr>
<td>payment amount</td>
<td>Amount of the invoice.</td>
</tr>
<tr>
<td>Payment fee</td>
<td>Fee generated by payment or otherwise.</td>
</tr>
<tr>
<td>payment credit</td>
<td>Amount of credit if there is.</td>
</tr>
<tr>
<td>Provider payment term</td>
<td>Selection of the payment term to the provider. if the exchanges were created on the offers or on the invoice, they will be available in the list.</td>
</tr>
<tr>
<td>Provider invoice</td>
<td>Selection of the provider invoice. The invoice is automatically choose if the provider payment term is existing.</td>
</tr>
<tr>
<td>Provider invoice reference</td>
<td>The reference is automatically fill in when selecting the provider invoice.</td>
</tr>
<tr>
<td>Provider</td>
<td>The name of the provider is automatically fill when selecting the provider invoice.</td>
</tr>
<tr>
<td>Provider invoice amount</td>
<td>The amount of the invoice is automatically fill when selecting the provider invoice.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the tender is archived with date when checked.</td>
</tr>
</tbody>
</table>

When the payment to the supplier has been completed and recorded, on the screen of provider invoice in the treatment section, you will find a record of these payments.

In the list of terms section, you can see in the table, the terms for which the settlement has been made.

When all the due dates have been paid:

- on the invoice screen the “full” box is automatically checked
- The date of the last installment is recorded
- A summary is displayed with the name of each payment made
- Each line is clickable.
8.1.13 Provider Contract

ProjeQtOr gives you the possibility to manage and precisely follow your supplier contracts. The supplier contract is necessarily linked to a project and a supplier.

Section Description

Complete the description of the contract.

Other sections

- Contract Gantt provider
Table 19: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the contract</td>
</tr>
<tr>
<td>Number</td>
<td>Reference number of the contract</td>
</tr>
<tr>
<td>Client contract type</td>
<td>List of types of the contracts</td>
</tr>
<tr>
<td>Project</td>
<td>Project to which this contract will be attached</td>
</tr>
<tr>
<td>Supplier</td>
<td>Supplier concerned by the contract</td>
</tr>
<tr>
<td>Contact</td>
<td>List of provider contact only. Contacts must be registered in advance on the supplier’s screen.</td>
</tr>
<tr>
<td>Supplier reference</td>
<td>Reference of the provider</td>
</tr>
<tr>
<td>Phone number</td>
<td>The field is of alphanumeric type. You can enter a telephone number with precision. Example with a number phone and his ext.</td>
</tr>
<tr>
<td>Origin</td>
<td>Used to enter the origin of the agreement Example the name of the seller or the advertisement which brought the customer</td>
</tr>
<tr>
<td>Description</td>
<td>Descriptive text of the contract</td>
</tr>
</tbody>
</table>

Section Treatment

Follow the state, the progress of your contract in this section.

  Responsible
  • Choose a responsible
  • Its initials are displayed on the Gantt chart of contracts

  Workflow
  • The workflow is based on the default workflow.
  • You can change or modify the current workflow.
  • See: Workflow

Renewal

Defines the behavior of the renewal of a contract at the end of the initially planned duration

  • **Never**: the contract will never be renewed
  • **Tacit**: the contract will be renewed if there is no termination
  • **Express**: the contract is renewed and is the subject of a written or verbal act

States

  • **In progress**: Date on which the contract is taken over. Effective. This date can be entered manually or by going to the Assigned state of the workflow
  • **Done**: Date the contract ends.
  • **Closed**: Date on which the contract was closed.
  • **Cancelled**: Cancellation Date
Section contact

This section allows you to fill in the information relating to your contact with the provider

Table 20: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
<td>Name of the provider contact</td>
</tr>
<tr>
<td>Phone Number</td>
<td>Phone number of the provider contact. The field is not numeric and lets you</td>
</tr>
<tr>
<td></td>
<td>add textual information such as the extension number.</td>
</tr>
<tr>
<td>Levels of service agreements</td>
<td>Determines if you have levels of service agreements (SLA) for this contract. This check box is an indication.</td>
</tr>
<tr>
<td>Intervention time</td>
<td>Periods during which services, contacts and interventions with the provider</td>
</tr>
<tr>
<td></td>
<td>will be possible. You can choose a time slot for weeks, Saturdays, as well</td>
</tr>
<tr>
<td></td>
<td>as Sundays and holidays.</td>
</tr>
</tbody>
</table>

Section Progress

In the Progress section, determine the different dates and deadlines for the contract, notice, deadlines, payments...

Table 21: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract dates</td>
<td>Start and end date of the contract</td>
</tr>
<tr>
<td>Initial contract term</td>
<td>Contract duration displayed according to the chosen unit: day, month, year</td>
</tr>
<tr>
<td>Notice period</td>
<td>Duration displayed according to the chosen unit: day, month, year</td>
</tr>
<tr>
<td>Notice date</td>
<td>Free reminder of a scheduled deadline</td>
</tr>
<tr>
<td>Due date</td>
<td>End of contract validity</td>
</tr>
<tr>
<td>Periodicity of the contract (Month)</td>
<td>Duration of the renewal of the contract is possible. Example 24-month</td>
</tr>
<tr>
<td></td>
<td>subscription renewable</td>
</tr>
<tr>
<td>Billing frequency (Month)</td>
<td>Billing frequency during the term of the contract</td>
</tr>
</tbody>
</table>

8.2 Incomes

Follow with the “Incomes” menu, incoming financial movements and your customers and all the elements revolving around them, such as contracts, quotations, bills, catalogs...

8.2.1 Client contract

ProjeQtOr gives you the possibility to precisely manage and monitor your customer contracts.

The customer contract is necessarily linked to a customer.
Section Description

Complete the description of the contract.

Other sections

- Contract Gantt client

Table 22: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the contract</td>
</tr>
<tr>
<td>Number</td>
<td>Reference number of the contract</td>
</tr>
<tr>
<td>Client contract type</td>
<td>List of types of the contracts</td>
</tr>
<tr>
<td>Project</td>
<td>Project to which this contract will be attached</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer concerned by the quotation</td>
</tr>
<tr>
<td>Contact</td>
<td>Customer contacts only. Contacts must be registered in advance on the customer’s screen. Change customer, the contacts list is suitable.</td>
</tr>
<tr>
<td>Client reference</td>
<td>Reference of the client</td>
</tr>
<tr>
<td>Phone number</td>
<td>The field is of alphanumeric type. You can enter a telephone number with precision. Example: XXXXXXXXXX ext XX</td>
</tr>
<tr>
<td>Origin</td>
<td>Allows to link the document defining the SLA</td>
</tr>
<tr>
<td>Description</td>
<td>Descriptive text of the contract</td>
</tr>
</tbody>
</table>
Section Treatment

Follow the state, the progress of your contract in this section.

Responsible
• Choose a responsible
• Its initials are displayed on the Gantt chart of contracts

Workflow
• The workflow is based on the default workflow.
• You can change or modify the current workflow.
• See: Workflow

Renewal
Defines the behavior of the renewal of a contract at the end of the initially planned duration
• **Never**: the contract will never be renewed
• **Tacit**: the contract will be renewed if there is no termination
• **Express**: the contract is renewed and is the subject of a written or verbal act

States
• **In progress**: Date on which the contract is taken over. Effective. This date can be entered manually or by going to the Assigned state of the workflow
• **Done**: Date the contract ends.
• **Closed**: Date on which the contract was closed.
• **Cancelled**: Cancellation Date

Section contact

This section allows you to fill in the information relating to your contact with the client.

Table 23: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
<td>Name of the client contact</td>
</tr>
<tr>
<td>Phone Number</td>
<td>Phone number of the client contact. The field is not numeric and lets you add textual information such as the extension number.</td>
</tr>
<tr>
<td>Levels of service agreements</td>
<td>Determines if you have levels of service agreements (SLA) with the client for this contract. This check box is an indication.</td>
</tr>
<tr>
<td>Intervention time</td>
<td>Perio periods during which services, contacts and interventions with the client will be possible. You can choose a time slot for weeks, Saturdays, as well as Sundays and holidays.</td>
</tr>
</tbody>
</table>
Section Progress

In the Progress section, determine the different dates and deadlines for the contract, notice, deadlines, payments ...

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract dates</td>
<td>Start and end date of the contract</td>
</tr>
<tr>
<td>Initial contract term</td>
<td>Contract duration displayed according to the chosen unit: day, month, year</td>
</tr>
<tr>
<td>Notice period</td>
<td>Duration displayed according to the chosen unit: day, month, year</td>
</tr>
<tr>
<td>Notice date</td>
<td>Exact date of notice</td>
</tr>
<tr>
<td>Due date</td>
<td>End of contract validity</td>
</tr>
<tr>
<td>Periodicity of the contract (Month)</td>
<td>Duration of the renewal of the contract is possible. Example 24-month subscription renewal</td>
</tr>
<tr>
<td>Billing frequency (Month)</td>
<td>Billing frequency during the term of the contract</td>
</tr>
</tbody>
</table>

Management of ordered ticket

You can manage token orders on your customer’s contract.

For more information on defining tokens see: ref:Management of tokens on ticket. You will be able :

- Define tokens (duration, cost, markup, …)
- Record token orders on a customer contract
- When entering work on ticket, select the token used
- Summarize tokens ordered, used and left on customer contract

Fig. 27: Add work token command

- Click on to add tokens to the order
- Select the token type from those defined on the project or its parent projects.
- Entering the ordered quantity of tokens

8.2. Incomes
When you have entered the order, the table will indicate:

- Calculation of the total duration ordered (in hours or days depending on the unit of time entry)
- Calculation of the total amount ordered
- Display of the total number of tokens used (without taking into account markups)
- Display of the increase in the total number of tokens used (taking increases into account)
- Display of the total duration of tokens used (taking into account markups)
- Display of the total cost of tokens used (taking into account markups)
- Display of the remaining duration of the tokens (duration ordered minus duration used)
- Display of the remaining amount of tokens (amount ordered minus amount used)
- Total line, summing the numbers, amounts and durations (ordered, completed, remaining) for all types of tokens in the contract

Fig. 28: Management of ordered tokens

8.2.2 Client Quotation

A quotation is a proposal estimate sent to customer to get approval of what’s to be done, and how must the customer will pay for it.

On the quotation form, you can record all the information about the sent proposal, including attaching some file completely describing the proposal with details terms and conditions.

Transform quotation to order

A quotation can be copied into an order when corresponding document is received as customer agreement.
Bill lines section

This section allows to detail the quotation modality.

Section Description

<table>
<thead>
<tr>
<th>Other sections</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Bill lines</td>
</tr>
<tr>
<td>• Linked element</td>
</tr>
<tr>
<td>• Attachments</td>
</tr>
<tr>
<td>• Notes</td>
</tr>
</tbody>
</table>

Table 25: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the bill.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the bill.</td>
</tr>
<tr>
<td>Client quotation type</td>
<td>Type of the quotation to define the way the concerned activity should be billed</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the quotation</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the quotation</td>
</tr>
<tr>
<td>Recipient</td>
<td>Name of entity receiving the quotation</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer concerned by the quotation</td>
</tr>
<tr>
<td>Contact</td>
<td>Contact in customer organization to whom you sent the quotation.</td>
</tr>
<tr>
<td>Request</td>
<td>Request description.</td>
</tr>
<tr>
<td>Additional info.</td>
<td>Any additional information about the quotation.</td>
</tr>
</tbody>
</table>

Note: Field “Customer”

Automatically updated from project field.
### Section Treatment

**Table 26: required field**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the quotation.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the quotation.</td>
</tr>
<tr>
<td>Sent date</td>
<td>Date when quotation is sent to customer contact.</td>
</tr>
<tr>
<td>Send mode</td>
<td>Delivery mode.</td>
</tr>
<tr>
<td>Offer validity</td>
<td>Limit date of the validity of the proposal.</td>
</tr>
<tr>
<td>Likelihood</td>
<td>The probability that the proposal will be accepted.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates that the quotation is taken in charge.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates that the quotation is processed.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the quotation is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the quotation is cancelled.</td>
</tr>
<tr>
<td>Planned end date</td>
<td>Target end date of the activity object of the quotation.</td>
</tr>
<tr>
<td>Activity type</td>
<td>Type of the activity object of the quotation.</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>The payment deadline is stated on the quotation.</td>
</tr>
<tr>
<td>Amount</td>
<td>Total amount of the quotation.</td>
</tr>
<tr>
<td>Estimated work</td>
<td>Work days corresponding to the quotation.</td>
</tr>
<tr>
<td>Comments</td>
<td>Comment about the treatment of the quotation.</td>
</tr>
</tbody>
</table>
8.2.3 Client Orders

An order (also called command) is the trigger to start work.
On the order form, you can record all the information of the received order.

Scheduled work and budgeted cost of project

- The scheduled work (field: “validated work”) of the project will be initialized with the sum of total work from all orders.
- The budgeted cost (field: “validated cost”) of the project will be initialized with the sum of the total amount before taxes for all orders.
  
  See: Progress section

Bill lines section

This section allows to detail the order modality.

Section Description

Table 27: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the order.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the order.</td>
</tr>
<tr>
<td>Order type</td>
<td>Type of order.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the order.</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer concerned by the order.</td>
</tr>
<tr>
<td>Contact</td>
<td>Contact in customer organization to whom you sent the order.</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference of the order (as received).</td>
</tr>
<tr>
<td>Date of receipt</td>
<td>Receipt date.</td>
</tr>
<tr>
<td>Receive mode</td>
<td>Delivery mode.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the order.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the order.</td>
</tr>
<tr>
<td>Additional info.</td>
<td>Any additional information about the order.</td>
</tr>
</tbody>
</table>

Note: Field Customer

Automatically updated from project field.
### Section Treatment

#### Table 28: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual <em>status</em> of the order.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the order.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates that the order is taken in charge.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates that the order is processed.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the order is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates that the order is cancelled.</td>
</tr>
<tr>
<td>Activity type</td>
<td>Type of the activity object of the order.</td>
</tr>
<tr>
<td>Linked activity</td>
<td>Activity representing the execution of the order.</td>
</tr>
<tr>
<td>Initial</td>
<td>Initial values.</td>
</tr>
<tr>
<td>Amendment</td>
<td>Additional values.</td>
</tr>
<tr>
<td>Total</td>
<td>Sum of the initial values and amendment.</td>
</tr>
<tr>
<td>Start date</td>
<td>Initial start date of the execution of the order.</td>
</tr>
<tr>
<td>End date</td>
<td>Initial and validated end date of the execution of the order.</td>
</tr>
<tr>
<td>Comments</td>
<td>Comment about the treatment of the order.</td>
</tr>
</tbody>
</table>

**Note: Fields behavior**

- **Fields Initial, Amendment and Total**
  - **Ex VAT**: Amount before taxes.
    - The column value is automatically updated with the sum of bill line amounts.
  - **Tax**: Applicable tax.
    - If the applicable tax isn’t set, the tax defined for the selected customer is used.
  - **Full**: Amount with taxes.
  - **Work**: Work days corresponding to the order.
    - The column value is automatically updated with the sum of bill lines quantities.
    - When the measure unit is “day”.

- **Field Amendment**

- The columns values “Ex VAT” and “Work” are automatically updated with the sum of billing lines with selected amendment checkboxes.

- **Fields Start and end date**
  - **Initial**: Initial dates
  - **Validated**: Validated dates

**Warning:** Activity type

- The activity should be created only after approval.
8.2.4 Client invoicing terms

A term is a planned trigger for billing.
You can define as many terms as you wish, to define the billing calendar.

**Note:** Terms are mandatory to bill “Fixed price” project.
A term can be used just one time. The bill name will be displayed.

A term has triggers

- You can link the activities that should be billed at this term.
- A summary of activities is displayed for validated and planned amount and end date.
- Validated and planned values play the role of reminder.
- You can use these values to set real amount and date.

**Description**

Other sections

- Notes

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the term.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the term.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned with the term.</td>
</tr>
<tr>
<td>Bill</td>
<td>Bill name that uses this term.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that term is archived</td>
</tr>
</tbody>
</table>

**Fixed price for term**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real amount</td>
<td>Defined amount for the term.</td>
</tr>
<tr>
<td>Real date</td>
<td>Defined date for the term.</td>
</tr>
<tr>
<td>Validated amount</td>
<td>Sum of validated amounts of activities defined as triggers (Read only).</td>
</tr>
<tr>
<td>Validated date</td>
<td>Max of validated end dates of activities defined as triggers (Read only).</td>
</tr>
<tr>
<td>Planned amount</td>
<td>Sum of planned amounts of activities defined as triggers (Read only).</td>
</tr>
<tr>
<td>Planned date</td>
<td>Max of validated end dates of activities defined as triggers (Read only).</td>
</tr>
</tbody>
</table>

**Fields Amount and Date (Planned & Validated)**

- When a trigger is entered, the values of planned and validated are automatically updated with the sum and the max of triggered amounts.
Trigger elements for the term

This section allows to manage element trigger.

Trigger element management

- Click on + to add an element trigger.
- Click on - to delete an element trigger.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linked element type</td>
<td>Type of element to be selected (Activity, Meeting, Milestone, Project, Test session).</td>
</tr>
<tr>
<td>Linked element</td>
<td>Item to be selected.</td>
</tr>
</tbody>
</table>

8.2.5 Client invoices

A bill is a request for payment for delivered work.

Billing will depend on billing type defined for the project through project type.

![Fig. 29: Clients Bills](image)

Invoice Type

![Fig. 30: Schema bill](image)

- Each bill is linked to project, a project has a project type, and a project type is linked to a billing type.
- So the billing type is automatically defined for the selected project.
- Billing type will influence bill line format.
At terms

- A *term* must be defined to generate the bill, generally following a billing calendar.
- Used for instance for: **Fixed price projects**.

**On produced work**

- No term is needed.
- The billing will be calculated based on produced work by resources on selected *activities* and on a selected period.
- Used for instance for **Time & Materials projects**.

**On capped produced work**

- No term is needed.
- The billing will be calculated based on produced work by resources on selected *activities* and on a selected period.
- Taking into account that total billing cannot be more than project validated work.
- Used for instance for **Capped Time & Materials projects**.

**Manual**

- Billing is defined manually, with no link to the project activity.
- Used, for instance for **Any kind of project where no link to activity is needed**.

**Not billed**

- No billing is possible for these kinds of projects.
- Used, for instance for **Internal projects & Administrative projects**.

---

**Warning: Billing report**

Only bill with at least status “done” will be available for reporting.

Before this status, they are considered as a draft.

---

**Description section**

**Other sections**

- *Linked element*
- *Attachments*
- *Notes*
Table 29: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the bill.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the bill.</td>
</tr>
<tr>
<td>Bill type</td>
<td>Type of bill.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the bill.</td>
</tr>
<tr>
<td>Date</td>
<td>Date of the bill.</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>Payment deadline.</td>
</tr>
<tr>
<td>Payment due date</td>
<td>Due date for payment (read only). The value is calculated with date of bill + payment deadline</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer who will pay for the bill.</td>
</tr>
<tr>
<td>Bill contact</td>
<td>Contact who will receive the bill. Automatically updated from project fields</td>
</tr>
<tr>
<td>Recipient</td>
<td>Recipient who will receive the payment for the bill.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the bill.</td>
</tr>
<tr>
<td>Billing type</td>
<td>Project billing type.</td>
</tr>
</tbody>
</table>

Treatment Zone

Table 30: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the bill.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the bill.</td>
</tr>
<tr>
<td>Sent date</td>
<td>Date when bill is sent to customer contact.</td>
</tr>
<tr>
<td>Send mode</td>
<td>Delivery mode.</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that the bill has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that the bill is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that the bill is cancelled.</td>
</tr>
<tr>
<td>Amount</td>
<td>Total amount of the bill.</td>
</tr>
<tr>
<td>% of order</td>
<td>Percentage of the bill balance over order amount.</td>
</tr>
<tr>
<td>Payment</td>
<td>Payment of bill.</td>
</tr>
<tr>
<td>Comments</td>
<td>Comments for the bill.</td>
</tr>
</tbody>
</table>

Fields Amount

- **Ex VAT**: Amount without taxes.
  - The value is automatically updated with the sum of bill line amounts.
- **Tax**: Applicable tax.
  - Automatically updated from customer field.
- **Full**: Amount with taxes.

Fields Payment

- **Date**: Date of payment.
- **Amount**: Payment amount.
- **Complete**: Flag to indicate that complete payment.
Invoice lines

Input for each bill line depends on billing type.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the bill line.</td>
</tr>
<tr>
<td>N°</td>
<td>Number of the line for the bill.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the line.</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of the line.</td>
</tr>
<tr>
<td>Unit price</td>
<td>Unitary price of billed element.</td>
</tr>
<tr>
<td>Quantity</td>
<td>Quantity of billed element.</td>
</tr>
<tr>
<td>Sum</td>
<td>Total price for the line (Price x Quantity).</td>
</tr>
</tbody>
</table>

Bill lines management

- Click on + to add a bill line. A different “Bill line” dialog box will be displayed depends on billing type.
- Click on $ to add a formatted line depending on billing mode
- Click on $ to modify an existing bill line.
- Click on $ to delete the bill line.

Bill line “At terms”

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N°</td>
<td>Number of the line for the bill.</td>
</tr>
<tr>
<td>Term</td>
<td>Project terms to be selected.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of line.</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of the line Can be set on update.</td>
</tr>
<tr>
<td>Price</td>
<td>Real amount of term.</td>
</tr>
</tbody>
</table>

Field Description

- Automatically set with the term name.
- Can be modified on update.
Bill line On produced work & On capped produced work

Table 32: required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N°</td>
<td>Number of the line for the bill.</td>
</tr>
<tr>
<td>Resource</td>
<td>Project resources to be selected.</td>
</tr>
<tr>
<td>Activity</td>
<td>Project activities price to be selected.</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date of the period to take into account.</td>
</tr>
<tr>
<td>End date</td>
<td>End date of the period to take into account.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of line.</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of the line Can be set on update.</td>
</tr>
<tr>
<td>Price</td>
<td>Price of the activity.</td>
</tr>
<tr>
<td>Quantity</td>
<td>Quantity of element.</td>
</tr>
<tr>
<td>Amount</td>
<td>Amount for the line (Price x Quantity).</td>
</tr>
</tbody>
</table>

Field “Description”

- Automatically set with selected resource, activity price name and dates.
- Can be modified on update.

Bill line “Manual billing”

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N°</td>
<td>Number of the line.</td>
</tr>
<tr>
<td>Amendment</td>
<td>Flag to indicate this is an amendment line.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the line.</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of the line.</td>
</tr>
<tr>
<td>Price</td>
<td>Unitary price of element / measure unit.</td>
</tr>
<tr>
<td>Quantity</td>
<td>Quantity of element.</td>
</tr>
<tr>
<td>Amount</td>
<td>Amount for the line (Price x Quantity).</td>
</tr>
</tbody>
</table>

Field “Amendment”

- This field is used for amendment values in order detail.
8.2.6 Client Payments

Allow to define payment of bills.
The bill keeps track of payment.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the payment.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the payment.</td>
</tr>
<tr>
<td>Payment type</td>
<td>Type of payment.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the payment.</td>
</tr>
</tbody>
</table>

**Table 34: required field**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payment mode</td>
<td>The mode of payment.</td>
</tr>
<tr>
<td>Payment date**</td>
<td>Date of payment.</td>
</tr>
<tr>
<td>Payment amount**</td>
<td>Amount of the payment.</td>
</tr>
<tr>
<td>Payment fee</td>
<td>Payment of the fee.</td>
</tr>
<tr>
<td>Payment credit</td>
<td>Balance of payment amount less payment fee.</td>
</tr>
<tr>
<td>Bill</td>
<td>Bill concerned with the payment.</td>
</tr>
<tr>
<td>Bill reference</td>
<td>Reference of bill.</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer of bill.</td>
</tr>
<tr>
<td>Recipient</td>
<td>Recipient of bill.</td>
</tr>
<tr>
<td>Bill amount</td>
<td>Amount of bill.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that payment is archived.</td>
</tr>
</tbody>
</table>
8.2.7 Activities prices

Activity price defines daily price for activities of a given activity type and a given project. This is used to calculate a billing amount for billing type On produced work and On capped produced work.

Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the activity price.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the activity price.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned with the activity price.</td>
</tr>
<tr>
<td>Activity type</td>
<td>Type of activities concerned with the activity price.</td>
</tr>
<tr>
<td>Price of the activity</td>
<td>Daily price of the activities of the given activity type and the given project.</td>
</tr>
<tr>
<td>Sort order</td>
<td>Number to define order of display in lists.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that activity price is archived.</td>
</tr>
</tbody>
</table>
8.2.8 Financial Gallery

The financial gallery allows you to display in list form and by elements, the different client quotation, invoices and orders recorded in ProjeQtOr, per date, client or per type, partial, final and complete bill.

Attachments are displayed grouped by element.

Click on 📂 to display attachment list.

![Fig. 32: Financial gallery](image)

**Filters**

Filters can be applied to the list.

**Element**

- Displays attachments for this element.

**Start and end date**

- Displays attachments for this period.
- Attachments will be displayed according a date defined in the element.

**Quotation**

- Done date

**Order**

- Validated start date

**Bill**

- Bill date

**Customer**

- Displays attachments for this customer name.

**Type**

- Displays attachments for this element type.
8.2.9 Financial catalog

Catalog defines items (products or services) that can be objects of a quotation, an order or a bill. This is used on the quotation lines, order lines and invoice lines. See: Invoice lines.

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the payment.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the catalog.</td>
</tr>
<tr>
<td>Catalog type</td>
<td>Type of catalog.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the catalog.</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of the catalog.</td>
</tr>
<tr>
<td>Nomenclature</td>
<td>Nomenclature of the catalog.</td>
</tr>
</tbody>
</table>

Treatment

<table>
<thead>
<tr>
<th>Field</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit price</td>
<td>Type of unit.</td>
</tr>
<tr>
<td>Quantity</td>
<td>Quantity of catalog.</td>
</tr>
<tr>
<td>Product</td>
<td>Type of product.</td>
</tr>
<tr>
<td>Product version</td>
<td>Version of the product.</td>
</tr>
</tbody>
</table>
8.2.10 Revenue Management

You can manage the turnover of the project at completion, and its consistency with the orders and invoices on the project.

A “Revenue management” section is visible on the projects screen in the Progress section after activation of the “Revenue management” module under the financial section.

The following information is then accessible:

- The turnover at completion corresponds to the total amount that will be invoiced for this project.
- Display of the sum of the project’s customer orders
- Display of the sum of customer invoices for the project
- Method of valuation of turnover
  - Method of valuation of turnover fixed
    - The turnover is fixed and is entered manually
  - Method of valuation of turnover variable
    - Variable over time depending on the activities
    - The turnover will then be calculated from the turnover of all the activities (not canceled) of the project and possibly of the sub-projects. In this case the activities will also have a turnover field to feed.
    - Projects with sub-projects will systematically have a “Variable” valuation mode, this mode will automatically consolidate the turnover of the sub-projects on the parent project.

Consistency with project orders and invoices

For projects with sub-projects, the sum of orders and invoices will consolidate the data of the sub-projects, that is to say, it will integrate the orders and invoices of the sub-projects in addition to the orders and invoices possibly on the project itself.

The sum of the orders is in red if it is lower than the turnover. The sum of the invoices is in red if it is greater than the turnover.

Raise alerts

You can create definable alerts for projects in the “unit indicators” section:

- Revenue upper than command’s sums
- Revenue less than invoices sums

In order to integrate this evolution into the community version, without disturbing the users who do not need this functionality, we will condition the behavior:

In order to transcribe the current use of the validated cost, a global parameter will determine whether the turnover is automatically reported as validated cost on activities and projects.

Note: This functionality is only visible if the Revenue Management module is activated via the access rights menu in Modules management.

The Revenue Management is a sub-module of the financial module.

This new module will activate / deactivate the management of OUs and everything related to the management of OUs (see below).

This module will be disabled by default.
Work units catalog

You can define catalogs of work units, made up of work units, themselves broken down into several complexities. This functionality will only be accessible if the Revenue management module is activated.

Fig. 33: Work units Catalog screen

You can assign any catalog to a project, whatever its position in the structure, while maintaining the notion of inheritance on the sub-projects.

- A “catalog used” field on the projects screen is available.
- The OUs proposed on the activities of the project will systematically be the OUs of this catalogue.
- When the “catalog used” field is populated (entered or edited) for a project, all subprojects (recursively) that had the same initial catalog value (or no value) are assigned the new catalog value.
- The level of recursion stops at the first project that does not respect this rule.
- When a catalog is created or modified to be attached to a project then the “catalog used” field of the project is updated, and the update is passed on to the sub-projects.

**Important:** Only profiles who have the right to modify the project catalog will be able to modify it, regardless of the project on which it is used.

Create a catalog

In the Finance menu Incomes section Catalog of work unit screen.

- Click on to create a new catalog
<table>
<thead>
<tr>
<th>Field</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Name of the catalog.</td>
</tr>
<tr>
<td>Nomenclature</td>
<td>Code usually a reference shared with the customer.</td>
</tr>
<tr>
<td>Project</td>
<td>Project on which to use the catalog</td>
</tr>
<tr>
<td>Number of complexities</td>
<td>Maximum number of complexities, set in global parameters.</td>
</tr>
<tr>
<td>Complexities</td>
<td>Text fields to fill in the complexities of the catalog</td>
</tr>
</tbody>
</table>

**Warning:** If the number of complexity isn’t filled then the default number set in the *global parameters* is applied.

Then fill in the fields with the name of the complexities managed by this catalog.

Click on + to open the pop-up windows and complete the complexity details.

You can fill in the following fields for each OU:

- Reference
- Description
- Incomes
- Deliverable
- validity date

The description, incoming and deliverable fields are text editors in inline mode. Edit buttons appear when the cursor is in the field.

![Fig. 34: Pop-up of the complexities details](image)

8.2. Incomes
For each complexity of the OU, we can define:

- Validated workload - 0 is allowed
- Price (CA) of complexity
- Duration in working days - optional

It is not mandatory to fill in all the complexities for an OU.

---

**Use of a catalog of work units**

You can select an OU on an activity, only if the project has a Variable CA valuation mode.

We will inform the OU, its complexity and the number of units:

- Entering the OU in the list of OUs in the catalog linked to the project. This will dynamically populate the list of OU complexities by displaying only those that have a charge and a price that is not zero but may be equal to zero.
- Entering complexity
- Entering the quantity number of work units

An activity will only be associated with a single OU / Complexity pair.

If OU is selected, complexity and quantity are mandatory, otherwise they are prohibited, i.e. not enterable.

**The UO / Complexity / Quantity data will make it possible to value:**

- The validated load = load of the OU / Complexity x Quantity
- The turnover of the activity = price of the OU / Complexity x Quantity
- The validated duration = duration of the OU / Complexity x Quantity

Entering the validated duration will automatically calculate the validated end date if the validated start date is entered.

**Note:** This will only determine the planned duration of the activity if it is in “fixed duration” planning mode.
Otherwise, the schedule will determine the planned duration from the assigned load and the availability of assigned resources.

These 3 data (validated load, validated duration, CA) will then go into read-only since they are calculated.

- If the OU’s expiry date has passed, an alert will be displayed on the activity, without this blocking the recording of the activity.
- If the global parameter “Report of turnover on the validated cost of activities” is activated, the turnover entered or entered through the OU is recopied in the validated cost of the activity.

Exportation

You can export the data of the OUs used on the export of Activities.

There are as many columns as there are reference/complexity pairs defined in the OU catalog. This is only viable if you only export activities that only use the same catalog.

A mechanism ensures that exported activities all use the same catalog.

Modification of data

You can modify the catalog on the data of an OU, a Complexity or a Quantity however it is not possible to modify a unit of work from the catalog, if it is already used on an activity.

- Re-calculation of validated data: validated load, validated duration and turnover
- If resources are assigned, application of the variation in the assigned load, in proportion to the load assigned to each resource and updating of the “still to do” accordingly (without ever being able to become negative).

Tip: For example:

In the case of an OU whose complexity generates 5 days of load with a quantity of 1, if A is assigned for 2 days and B assigned for 3 days, if we double the quantity (and therefore the validated load) A is then assigned 4 days and B is assigned 6 days.

Habilitations

The concept of Project on the catalog is not essential, it is present to guarantee the management of rights: only profiles who have the right to modify the catalog of the project will be able to modify it, regardless of the project on which it is used.

A resource with a profile allowing him to instantiate a OU but who does not have the visibility of the costs can continue to instantiate an OU, the value of the turnover will not be displayed, nor the “price” column of the table units of work, regardless of whether the OU carries a charge or a duration (0 included).

Deletion of data

You can delete the catalog on the data of an OU, a Complexity or a Quantity however it is not possible to delete a unit of work from the catalog, if it is already used on an activity.

- The validated load data, validated duration and CA become manually modifiable again
- The calculated data is kept

The project turnover will be updated from the sum of the turnover of the project activities, whether this data is entered from an OU or entered manually.

The turnover of the activities and the UO, Complexity and Quantity data will only be accessible for “basic” activities (which do not have sub-activities). For “parent” activities, the turnover will be consolidated from the turnover of the sub-activities.
You can close an unit of work directly in the OU’s window.
If closed, the OU is no longer selectable.

**Management of ordered work**

The services ordered use the work unit catalog functionality.
You must “activate ordered services” in the *global parameters*

**On the activities**

In the Turnover section in Progress of the details area, the drop-down menu of the services ordered offers you the list of orders,
only if the project is an activity project, where the unit of work ordered is the same unit of work on the activity and where the complexity is consistent with that of the order.

![Fig. 36: Ordered work on activities](image)

Select the order corresponding to the setting up of your activity in order to follow the realization and the invoicing of these units of works.

Be careful though, some rules apply:
- the quantity must not be less than the quantity already invoiced,
- the quantity must not be less than the quantity already carried out
- if there is a quantity performed or invoiced, the unit of work and the complexity cannot be changed

**On the commands**

On the order that you have linked from your activity, you have a summary table indicating the type of units ordered, those that have been carried out, since the monitoring of your activity, as well as the number of units and their corresponding amount, already charged.

![Fig. 37: Ordered work on activities](image)

In the case of invoicing, a table for the invoiced work order will be available.

When copying your order to an invoice, the table of services ordered is also done taking into account the quantity already invoiced.

Please note, some rules apply:
• The sum for the entire invoiced quantity (including current and already invoiced) must not exceed the ordered quantity
• Selecting a work order displays the work unit, complexity, unit quantity and quantities (stored on the work order line)
• The amount is calculated = quantity invoiced x unit amount
• During the update, the reference of the work order cannot be changed
• When data is inserted / updated, the sum of the data on the work order is updated
8.3 Financial situation

Project financial situation

The financial situation screens allow you to follow precisely with your own steps all the financial elements of a project.

Find the financial situation in its entirety on the respective screens of the elements.

Financial status screens will only display the most recent transaction.

Project financial situations

On this screen you view all the financial documents related to your projects. To display a situation, you must create them directly on the screen of the document concerned. It is possible to predefine financial situations.

The list box displays the last processed financial document. The detail area displays all the expense and income financial documents in their current state.

You can display only the expenses financial situation or the income financial situation on their respective screen.

Expenses financial situation

The following operations will then be displayed for the expenses.

- Call for tender.
- Provider tenders
- Orders to provider
- Provider bills

Incomes financial situation

The following operations will then displayed for the incomes.

- Client quotations
- Client orders
- Clients bills
- Client payments
Predefined situation

You create several defined situation than you will can used to defined situations on the financial elements.

Click on + to add a new predefined situation

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>in progress</td>
</tr>
<tr>
<td>2</td>
<td>validation</td>
</tr>
<tr>
<td>3</td>
<td>pending</td>
</tr>
</tbody>
</table>

You can limited the predefined situation on an element or a type of element.

Fig. 39: Predefined situation
Financial situation

Click on ☑️ to create a financial statement on an eligible financial document.

Fig. 40: Financial situation section

If you have created predefined situations, you can choose them from the corresponding drop-down list. If you do not have predefined situations, then fill in the situation directly manually, respecting the mandatory fields.

Fig. 41: Financial situation pop-up
8.4 Gantt Contract client & provider

8.4.1 Provider contract Gantt chart

In addition to the contract management screen (list and details area), you can view your contracts in a time view on a Gantt chart. This is the “contract schedule”

Each bar representing the different contracts, going from the start date to the end date of the contract. Notice dates and due dates are displayed as milestones.

Gantt bars for customer contracts turn red when the due date is higher than the end of contract date.

No calculation is made. This is an indication to show an inconsistency.

8.4.2 Client contract Gantt chart

In addition to the contract management screen (list and details area), you can view your contracts in a time view on a Gantt chart. This is the “customer contract calendar”

Each bar representing the different contracts, going from the start date to the end date of the contract. Notice dates and due dates are displayed as milestones.

Gantt bars for customer contracts turn red when the due date is higher than the end of contract date.

No calculation is made. This is an indication to show an inconsistency.
Fig. 43: Client contract Gantt chart screen
9.1 Meetings

Meeting items are stored to keep track of important meetings during the project lifecycle:

- Progress Meetings
- Steering committees
- Functional workshops

Keeping track of each meeting makes it possible to follow the decisions or the answers to questions that are taken during them.

This will provide an easy way to find back when, where and why a decision has been taken.

Each meeting is displayed in the agenda, listed in chronological order during the day.

If the manager is filled in, he is automatically added to the meeting assignments.

If one of the resources is assigned to another meeting on the same day, a non-blocking message is displayed if the times overlap.
Project task

- Meeting is a planned task. They appear in the Gantt diagram and imputation sheets with the date fixed.
- You can assign project resources (named attendees).
- You have progress section that allows for followed resources work and cost.

Section Description

Other sections

- Attendees
- Progress
- Predecessor and Successor
- Linked element
- Attachments
- Notes
- Live meeting

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the meeting.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the meeting. If not set, will automatically be set to meeting type completed with meeting date.</td>
</tr>
<tr>
<td>Meeting type</td>
<td>Type of meeting.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the meeting.</td>
</tr>
<tr>
<td>Meeting date</td>
<td>The initial date of the meeting, including the start and end time.</td>
</tr>
<tr>
<td>Location</td>
<td>Place (room or else) when meeting will stand.</td>
</tr>
<tr>
<td>Email invitation</td>
<td>Send an email to the expected participant in the Attendees section</td>
</tr>
<tr>
<td>Start Meeting button</td>
<td>Allow to go on the live meeting screen.</td>
</tr>
<tr>
<td>Agenda of the meeting</td>
<td>Description of the meeting and agenda.</td>
</tr>
</tbody>
</table>

Description can be used to store agenda.

Email invitation

- Allows to send the email to attendees.
- They will receive the invitation in their calendar management tool.
Treatment

Table 2: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent activity</td>
<td>Parent activity of the meeting. In the WBS structure, under which the meeting will be displayed in the Gantt plan.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the meeting.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the organization of the meeting. Attention! The responsible is not automatically assigned.</td>
</tr>
<tr>
<td>In progress</td>
<td>Flag to indicate that meeting has been taken into account.</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that meeting has been held.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that meeting is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that meeting is cancelled.</td>
</tr>
<tr>
<td>Minutes</td>
<td>Minutes of the meeting.</td>
</tr>
</tbody>
</table>

Note: Minutes

You can enter here only a short summary of the minutes and attach the full minutes as a file.

Steering

Retrieving the agenda of a meeting from the description of its type

Diary

Viewing meetings in agenda, even if they are not planned
9.1.1 Live Meeting

LiveMeeting you can manage meetings in an *Agile* way.

- Manage written production quickly and easily.
- Recovery in the liveMeeting of the agenda established on the meeting screen.
- Automatic saving of the minutes when leaving the live meeting.
- Automatically share the time between all participants.
- Dynamically measure the speaking time of each participant.
- Easily write minutes while assistants speak.
- Easily manage actions / decisions / questions while writing minutes.
- Manage tickets, activities, actions and requirements with Kanban while writing minutes.
- Saving the items entered in the live in the minutes section of the meeting.

Click on **Start meeting** button to access the Live Meeting Management screen.

![Fig. 2: 'The Live Meeting screen'](image)

- Click on **Hide time counters** to show or hide participants’ tabs with their speaking time
- Click on **go** to start the meeting and to start decrementing the speaking time
- Click on **pause** to stop the meeting and close the LiveMeeting window
- Click on **exit** to exit the LiveMeeting screen
- Click on **save** to save the live meeting report

See: *Live Meeting*
Kanban Management

Click on [ ] to manage the kanbans

![Kanban Management in the Live Meeting](image)

Fig. 3: Kanban management in the Live Meeting

You can manage your Kanban tiles directly in the Live Meeting interface.

See: KanBan
### 9.1.2 Periodic meetings

Periodic meeting is a way to define some meetings that will occur on a regular basis.

**Warning:** Most fields match between meeting and recurring meeting, but some information is not present for recurring meetings, such as minutes or status.

When recording a recurring meeting, each meeting is automatically created in a parent folder, the recurring meeting.

When the parent folder is closed, the meeting lines are not visible, but they appear on the same line as the folder.

Changes can be made on each group meeting. In most cases, these changes will not be affected or erased by periodic meeting updates. Meetings created by recording a recurring meeting will also be displayed on the meetings screen.

**Other sections**

- Attendees
- Progress
- Predecessor and Sucessor
• Notes

Description section

Attendees can be defined on a periodic meeting.

Assignments of the entire project team to a periodic meeting (as existing for a simple meeting) is possible but the participants will be visible only on unit meetings.

The periodic meetings will not be planned, only elementary meetings will be.

So left work will always be set to zero on periodic meetings.

Resource who is responsible for the organization of the meeting. But the responsible is not automatically assigned.

Update on a periodic meeting

On each update of a periodic meeting, meetings are re-evaluated.

This may lead to deletion of some meetings.

This will also reposition meetings, even if their planned dates were elementary updated.

Attendees assignment section

Attendees can be defined on a periodic meeting.

![Attendees](image)

Fig. 7: attendees section

The assignment of a project team to a periodic meeting is possible.

The participants are visible in read-only mode from the recurring meeting but can be modified individually on the unit meeting screens.

Section Treatment

You can defined a parent activity for the meeting.

![Display of meetings under a parent activity on the Gantt chart](image)

Fig. 8: display of meetings under a parent activity on the Gantt chart
The meetings will be displayed under the selected activity.

Periodicity section
You can set a time and frequency for your meetings.

- **Periodicity**

  ![Periodicity Section](image)

  **Fig. 9: Periodicity Section**

  The period of the recurring meetings can be entered manually or you can retrieve the dates of the selected project by clicking on the **get dates from project** button.

  The number of occurrences and/or the end date can be completed automatically by entering one or other of these criteria.

  Fill in the time - Meeting schedules allows you to automatically calculate and fill in the workload to be assigned to the resources - participants of the meeting in the table of assignments.

  **Periodicity**

  Depending on the frequency selected in the drop-down list, the parameter information displayed is different.

  **Every day**

  Example → every 3 days

  The number of occurrences being to be personalized

  **Same day every week**

  example → On **Friday** every 2 weeks

  **Same day every month**

  example → day 7 every 2 month

  **Same week every month**

  example → On 1st **Monday** every 2 months

  If the periodicity is likely to include non-working days, check the box to keep only meetings that will fall on a working day.
9.1.3 Attendees section

This section allows to define the list of attendees to the meeting.

- The list of participants is displayed with
  - The assignment rate
  - The time assigned and planned for this activity
  - The real time filled in by the resources
  - The remainder to be done.

- If a resource has an entered entry date then they will be taken into account.
- Resources prior to their entry date will not be displayed on meeting prior to this date.
- So meeting works of these attendees are booked in the project.
- Ability to assign to a meeting a resource or a contact or a user not member of the project team.
- A special icon is placed on resource rows representing a pool of resources.

![Attendees section](image)

Fig. 10: Attendees section

You can assigned a team to the pool of resource, one dynamic and the other static.

- The switch button **automatic assignment of the project team** above the assignment table allows you to assign the current project team.
  
  If a resource is added to the project then they will also be assigned to the meeting.

- The **assign whole project team** button assigns the project team from time to time.
  
  If a resource is assigned to the project later, it will not be added to the meeting assignment.
Attendee list

- Click on + to add a new attendee
- Click on to modify the assignment of the resource
- Click on to delete the assignment of the resource
- Click on to divide the assignment with another resource
- Click on to go to the resource’s timesheet screen for the week the meeting was planned

Mandatory participant and Optional attendant option

The icon indicates that the presence of the participant is mandatory

Fig. 11: Optional attendant

More detail about how assigned project resources, see: Assignment section section.

Other attendees

Extra list of persons attending (or expecting to attend) the meeting, in completion to resource in the attendee list.

- You can enter attendees by email address, resource or contact name, user name or initial without caring about.
– Just separate attendees with commas or semicolons.

**Note:** Duplicate email addresses in the attendee list will automatically be removed.
9.2 Change Request

The change request feature provides effective tracking of your customer’s change requests. Its purpose is to describe a process that makes clear how the change is communicated, how decisions will be made and by whom and how the project will adapt accordingly.

A change request is very close to a requirement, it can also generate several requirements. The change request is necessarily linked to a project and can be linked to a product.

**Section Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID</td>
<td>Request ID number</td>
</tr>
<tr>
<td>Name</td>
<td>Fill in the title of the change. It must be understandable at first reading</td>
</tr>
<tr>
<td>Change Request Type</td>
<td>Define the type of the request</td>
</tr>
<tr>
<td>Project</td>
<td>Link the change request to a project</td>
</tr>
<tr>
<td>Product</td>
<td>Link the change request to a product</td>
</tr>
<tr>
<td>External reference</td>
<td>Name of the external reference</td>
</tr>
<tr>
<td>Contact</td>
<td>Name of the contact</td>
</tr>
<tr>
<td>Origin</td>
<td>Link to the item causing the change request</td>
</tr>
<tr>
<td>Business Features</td>
<td>Functionality trades whose modification request will need</td>
</tr>
<tr>
<td>Urgency</td>
<td>Determine the urgency of the request</td>
</tr>
<tr>
<td>Initial due date</td>
<td>Date you committed to the client</td>
</tr>
<tr>
<td>Planned due date</td>
<td>Deadline actually planned</td>
</tr>
<tr>
<td>Description</td>
<td>Describe the change request you want to initiate</td>
</tr>
<tr>
<td>Justification</td>
<td>Justify this change request</td>
</tr>
<tr>
<td>Expected benefit</td>
<td>List the potential benefits that this change request will bring</td>
</tr>
</tbody>
</table>

**Section Treatment**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the decision</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the follow-up of the question</td>
</tr>
<tr>
<td>Criticality</td>
<td>How critical is the demand</td>
</tr>
<tr>
<td>Feasibility</td>
<td>How feasibility is the demand</td>
</tr>
<tr>
<td>Technical risk</td>
<td>What are the technical risks</td>
</tr>
<tr>
<td>Priority</td>
<td>What is the priority of the request</td>
</tr>
<tr>
<td>Estimate work</td>
<td>Estimate work for the request</td>
</tr>
<tr>
<td>Estimate cost</td>
<td>Estimate cost for the request</td>
</tr>
<tr>
<td>Target Version</td>
<td>The target version affected by the request</td>
</tr>
<tr>
<td>In progress</td>
<td>Flag to indicate that question has been taken into account</td>
</tr>
<tr>
<td>Approved by</td>
<td>Indicates the date the application was approved and by whom</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that question has been answered</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that decision is archived</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that decision is cancelled</td>
</tr>
<tr>
<td>Result</td>
<td>Enter the result of the implementation of the change request</td>
</tr>
<tr>
<td>Efficiency Analyse</td>
<td>Complete the analysis of the effectiveness of the implementation of the change request</td>
</tr>
</tbody>
</table>
9.3 Decisions

Decisions are stored to keep track of important decisions, when, where and why the decision was taken.
You can link a decision to a meeting to rapidly find the minutes where the decision is described.

Section Description

Other sections

- Linked element
- Attachments
- Notes

Table 5: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the decision.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the decision.</td>
</tr>
<tr>
<td>Decision type</td>
<td>Type of decision.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the decision.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the decision.</td>
</tr>
</tbody>
</table>

Section Validation

Table 6: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the decision.</td>
</tr>
<tr>
<td>Decision date</td>
<td>Date of the decision.</td>
</tr>
<tr>
<td>Origin</td>
<td>Origin of the decision.</td>
</tr>
<tr>
<td>Accountable</td>
<td>Resource accountable for the decision.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that decision is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that decision is cancelled.</td>
</tr>
</tbody>
</table>

Field Origin

It can be either the reference to a meeting where the decision was taken (so also add the reference to the meetings list), or a short description of why the decision was taken.

Field Accountable

The person who took the decision.
9.4 Questions

Question are stored to keep track of important questions and answers.
In fact, you should keep trace of every question and answer that have an impact to the project.
The questions can also afford an easy way to track questions sent and follow-up non-answered ones.
This will provide an easy way to find back when, who and precise description of the answer to a question.
Also keep in mind that some people will (consciously or not) be able to change their mind and uphold it has always been their opinion...
You can link a question to a meeting to rapidly find the minutes where the question was raised or answered.

Monitoring indicator

Possibility to define indicators to follow the respect of dates values.

- Respect of initial due date
- Respect of planned due date

Section Description

Other sections

- Linked element
- Attachments
- Notes

Table 7: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the question.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the question.</td>
</tr>
<tr>
<td>Question type</td>
<td>Type of question.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the question.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the question.</td>
</tr>
</tbody>
</table>


### Section Answer

#### Table 8: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Status</strong></td>
<td>Actual status of the decision.</td>
</tr>
<tr>
<td><strong>Responsible</strong></td>
<td>Resource who is responsible for the follow-up of the question.</td>
</tr>
<tr>
<td><strong>Initial due date</strong></td>
<td>Initially expected date for the answer to the question.</td>
</tr>
<tr>
<td><strong>Planned due date</strong></td>
<td>Updated expected date for the answer to the question.</td>
</tr>
<tr>
<td><strong>Replier</strong></td>
<td>Name of the person who provided the answer.</td>
</tr>
<tr>
<td><strong>In progress</strong></td>
<td>Flag to indicate that question has been taken into account.</td>
</tr>
<tr>
<td><strong>Done</strong></td>
<td>Flag to indicate that question has been answered.</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Flag to indicate that question is archived.</td>
</tr>
<tr>
<td><strong>Cancelled</strong></td>
<td>Flag to indicate that question is cancelled.</td>
</tr>
<tr>
<td><strong>Response</strong></td>
<td>Complete description of the answer to the question.</td>
</tr>
</tbody>
</table>
9.5 Deliverables

This section allows to define the list of deliverables items. This will provide an easy way to organize your due to customers. In fact, you can keep track of every deliverables. Deliverables links with Milestones.

**Note:** If you change the responsible of milestones, the responsible of deliverable will automatically changed, and vice versa.

### Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the KPI.</td>
</tr>
<tr>
<td>Name</td>
<td>name of the deliverable.</td>
</tr>
<tr>
<td>IdDeliverableType</td>
<td>id of the Deliverable Type.</td>
</tr>
<tr>
<td>IdProject</td>
<td>id of the Project.</td>
</tr>
<tr>
<td>externalReference</td>
<td>name of the external reference.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the deliverable.</td>
</tr>
</tbody>
</table>

**Note:** You can estimated quality value for deliverable and this will produce a KPI.

See: *KPI definitions*
Section Validation

<table>
<thead>
<tr>
<th>Field</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery status</td>
<td>Actual status of the delivery.</td>
</tr>
<tr>
<td>Deliverable</td>
<td>Weight of the quality of the deliverable.</td>
</tr>
<tr>
<td>Responsible</td>
<td>to name</td>
</tr>
<tr>
<td>due date</td>
<td>as planned</td>
</tr>
<tr>
<td>Closed</td>
<td>Box to indicate that delivery is archived.</td>
</tr>
</tbody>
</table>

To follow life cycle management on deliverables (status managed as a workflow)
9.6 Incomings

This section allows to define the list of incomings items from customers. It can be an indicator to follow if you can begin an action. For example, if you need an item from customer. Incomings links with Milestones.

**Note:** If you change the responsible of milestones, the responsible of Incomings will automatically changed, and vice versa.

You can estimated quality value for incoming and this will produce a KPI. See: *KPI definitions*
9.7 Deliveries

Deliveries items are stored to keep track of deliveries.
Added list of deliverables integrated in delivery.

**Note:** Automatic dispatch of delivery status to deliverables.

### Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the delivery.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the delivery.</td>
</tr>
<tr>
<td>Deliverable type</td>
<td>Type of deliverable.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the delivery.</td>
</tr>
<tr>
<td>ExternalReference</td>
<td>Name of the external reference.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the delivery.</td>
</tr>
</tbody>
</table>

### Section Validation

**Other sections**

- Deliverables
- Linked element
- Attachments
- Notes

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery status</td>
<td>Actual status of the delivery.</td>
</tr>
<tr>
<td>Resource</td>
<td>Resource of the delivery.</td>
</tr>
<tr>
<td>Planned date</td>
<td>Expected date of delivery.</td>
</tr>
<tr>
<td>Real date</td>
<td>Effective delivery date.</td>
</tr>
<tr>
<td>Validation date</td>
<td>Validate the delivery date.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that delivery is archived.</td>
</tr>
</tbody>
</table>

To follow life cycle management on deliveries (status managed by a workflow)
9.8 Mails follow-up

Incoming and outgoing mail allows the dematerialization of mail to facilitate its distribution, allow archiving and monitoring by all employees.

Incoming mails

![Incoming mails screen](image)

**Fig. 12: Incoming mails screen**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the context.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the mail</td>
</tr>
<tr>
<td>Incoming mail type</td>
<td>Type of the mail*</td>
</tr>
<tr>
<td>Project</td>
<td>Name of the project to which the mail is attached</td>
</tr>
<tr>
<td>Date of receipt</td>
<td>Date of receipt of mail</td>
</tr>
<tr>
<td>Receive mode</td>
<td>How was the mail received*</td>
</tr>
<tr>
<td>Responsible</td>
<td>person handling mail</td>
</tr>
<tr>
<td>Status</td>
<td>Status of the mail</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the mail is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the mail is cancelled.</td>
</tr>
</tbody>
</table>

* customizable in value lists

Transmitter description

In this section it is possible to indicate which transmitter is.

If it is a contact known to your database, you can select it directly from the lists.

Approvers

You can define approvers for a mail.

- Click on [+] to add an approver
- Click on [−] to delete an approver
On the incoming mail screen, the approver can approve or reject the mail.

All approvers of the mail can view the response of other approvers.

Approval status

This status allows you to globally track the status of the approval. It can be used in a filter, like all the other fields of the mail object. calculated according to the approval status of the mail it may take the following values:

- **Without approval**: if no approver has been added to the list of approvers
- **Rejected**: if at least one approver rejected the mail
- **Pending approval**: if there is at least one approver who has not approved the document and no one has yet rejected the mail
- **Approved**: if all approvers approved the mail.

### Outgoing mails

![Outgoing mails screen](image)

**Fig. 13: Outgoing mails screen**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Id</strong></td>
<td>Unique Id for the context.</td>
</tr>
<tr>
<td><strong>Name</strong></td>
<td>Name of the mail</td>
</tr>
<tr>
<td><strong>Outgoing mail type</strong></td>
<td>Type of the mail*</td>
</tr>
<tr>
<td><strong>Project</strong></td>
<td>Name of the project to which the mail is attached</td>
</tr>
<tr>
<td><strong>Sent date</strong></td>
<td>Date of mailing</td>
</tr>
<tr>
<td><strong>Sent mode</strong></td>
<td>How was the mailing*</td>
</tr>
<tr>
<td><strong>Responsible</strong></td>
<td>person handling mail</td>
</tr>
<tr>
<td><strong>Status</strong></td>
<td>Status of the mail</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Box checked indicates the mail is archived.</td>
</tr>
<tr>
<td><strong>Cancelled</strong></td>
<td>Box checked indicates the mail is cancelled.</td>
</tr>
</tbody>
</table>

* customizable in value lists

Transmitter description
In this section it is possible to indicate which transmitter is.
If it is a contact known to your database, you can select it directly from the lists.

Approvers
You can define approvers for a mail.

- Click on + to add an approver
- Click on - to delete an approver

On the outgoing mail screen, the approver can approve or reject the mail.

All approvers of the mail can view the response of other approvers.

Approval status
This status allows you to globally track the status of the approval.

It can be used in a filter, like all the other fields of the mail object.

calculated according to the approval status of the mail it may take the following values:

- **Without approval**: if no approver has been added to the list of approvers
- **Rejected**: if at least one approver rejected the mail
- **Pending approval**: if there is at least one approver who has not approved the document and no one has yet rejected the mail
- **Approved**: if all approvers approved the mail.

### 9.9 Project Analysis

Projeqtor allows you to record assumptions, constraints and lessons learned.

This involves having several screens to enter this information which can be linked to the project like each element of ProjeQtOr.

These screens will allow you to establish a management plan for your projects, whatever they may be.

### 9.10 Configuration Management

Configuration management consists of managing the technical description of a system, as well as managing all changes made during the evolution of the system.

It is the set of processes to ensure the conformity of a product to the requirements, throughout its life cycle.

In computing, for example, configuration management can be used for many purposes.

- To store and trace the different versions or revisions of any information intended to be used by a system (hardware, software, document, unit data, etc.).
- To deploy configurations through a computer park in the form of files and data.
- Manage source codes …
9.10.1 Products

Allows to define product and sub-product.
Allows to link components to product.

![Fig. 14: Product configuration screen](image)

**Description**

**Other sections**

- Attachments
- Notes

**Table 13: Required fields**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the product.</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the product.</td>
</tr>
<tr>
<td>Product type</td>
<td>Type of product.</td>
</tr>
<tr>
<td>Designation</td>
<td>Trade name of the product known outside the company.</td>
</tr>
<tr>
<td>Customer</td>
<td>The customer the product should be delivered to.</td>
</tr>
<tr>
<td>Prime contractor</td>
<td>The contact, into customer organization, who will be responsible for the product delivery.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the product.</td>
</tr>
<tr>
<td>sub-product</td>
<td>Name of the top product if this product is a sub-product.</td>
</tr>
<tr>
<td>Status</td>
<td>State to be registered.</td>
</tr>
<tr>
<td>Closed</td>
<td>Item is closed if checked</td>
</tr>
<tr>
<td>Description :</td>
<td>Box checked indicates the product is archived.</td>
</tr>
</tbody>
</table>
Treatment

You can create many links between products, product versions and component

- Project linked to this product
- Possibility of attaching the products of the list to projects.
- When you link a project to a product, all versions of this product are going to be linked.
- The start and end date corresponds to the duration of this link.

Composition

List of sub-products and list of components used by this product

See: Relationships.

Structure

You can display 2 ways to display the structure. Normal and flat.

Fig. 15: Normal display the product structure

Box checked “Show versions for all structure” allows to display versions of sub-products and components.

Box checked “Show projects linked to versions” allows to display projects linked.

9.10.2 Product Versions

Allows to define versions of a product.

Allows to link a component version to product version.

Allows to link the product version to a project.

Ability to define the compatibility between product versions (feature activated through a global parameter)

Automatic formatting of version name

Possibility to define if the version name is automatically produced from the product name and version number.

Set Global Parameters to activate this feature.

Else, the version name will entered manually.

By profile, possibility to have a different list of the version of the original product according to the status.
Fig. 16: Display the product structure with the boxes checked

Description

Other sections

- Projects linked to this version
- Composition...
- Attachments
- Notes

Table 14: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the version</td>
</tr>
<tr>
<td>Product</td>
<td>The product on which the version applies</td>
</tr>
<tr>
<td>Version number</td>
<td>Version number of the product</td>
</tr>
<tr>
<td>Product v° type</td>
<td>Type of the product version: major, minor, patch</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the version</td>
</tr>
<tr>
<td>Prime contractor</td>
<td>The contact, into customer organization, who will be responsible for the version delivery</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource responsible of the version</td>
</tr>
<tr>
<td>Start date</td>
<td>Initial, planned and real start dates of the version</td>
</tr>
<tr>
<td>Delivery date</td>
<td>Initial, planned and real delivery dates of the version</td>
</tr>
<tr>
<td>Entry into service</td>
<td>Initial, planned and real entry into service date of the version</td>
</tr>
<tr>
<td>End date</td>
<td>Initial, planned and real end dates of the version</td>
</tr>
<tr>
<td>Status</td>
<td>State to be registered</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the version</td>
</tr>
</tbody>
</table>
Fig. 17: Product version description
Version number & Name

The field “Version number” appears only if the global parameter “Automatic format of version name” is set to Yes. The field “Name” will be read only.

Prime contractor

The field “Prime contractor” can be different from product prime contractor.

Entry into service (Real)

The field “Entry into service” specify the date of entry into service. The box “Done” is checked when the real date field is set.

End date (Real)

The field “End date” specify the date end-of-service. The box “Done” is checked when the real date field is set.
9.10.3 Components

Allows to define product components.

Allows to define products using the component.

Possibility to define component types and component versions that will only be used for definition of structure (not for Version Planning or Tickets)

![Component details](image)

Fig. 18: Component details

Description

Other sections

- Structure…
- Composition…
- Attachments
- Notes

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the component</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the component</td>
</tr>
<tr>
<td>Component type</td>
<td>Type of component</td>
</tr>
<tr>
<td>Identifier</td>
<td>Another name to identify the component</td>
</tr>
<tr>
<td>Responsible</td>
<td>Person responsible for the component</td>
</tr>
<tr>
<td>Statut</td>
<td>State to be registered</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the component is archived</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the component</td>
</tr>
</tbody>
</table>
Component versions

List of versions defined for the component.

Component versions are defined in Component Versions screen.
9.10.4 Component Versions

Allows to define versions of a component.

Allows to link a product version to component version.

![Component Version Details](image)

**Fig. 19: Component version details**

**Automatic formatting of version name**

Possibility to define if the version name is automatically produced from the component name and version number.

Set global parameters to activate this feature.

Else, the version name will entered manually.

**Description**

**Other sections**

- *Structure…*
- *Composition…*
- *Attachments*
- *Notes*
Table 16: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the version</td>
</tr>
<tr>
<td>Component</td>
<td>The component on which the version applies</td>
</tr>
<tr>
<td>Version number</td>
<td>V° number of the component</td>
</tr>
<tr>
<td>Component V° type</td>
<td>Type of the component version: major, minor or patch</td>
</tr>
<tr>
<td>Name</td>
<td>Name of the version</td>
</tr>
<tr>
<td>Responsible</td>
<td>Name of the responsible</td>
</tr>
<tr>
<td>Start date</td>
<td>Initial, planned and real start dates of the version</td>
</tr>
<tr>
<td>Delivery date</td>
<td>Initial, planned and real delivery dates of the version</td>
</tr>
<tr>
<td>Entry into service</td>
<td>Initial, planned and real entry into service date of the version</td>
</tr>
<tr>
<td>End date</td>
<td>Initial, planned and real end dates of the version</td>
</tr>
<tr>
<td>Statut</td>
<td>State to be registered</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the version</td>
</tr>
</tbody>
</table>

**Note**: **Initial Date**

when the planned date has been set, the initial date (if it is empty only) will be defined

**Version number & Name**

The field “Version number” appears only if the global parameter “Automatic format of version name” is set to Yes. The field “Name” will be read only.

**Entry into service (Real)**

The field “Entry into service” specify the date of entry into service. The box “Done” is checked when the real date field is set.

**End date (Real)**

The field “End date” specify the date end-of-service. The box “Done” is checked when the real date field is set.
9.10.5 Relationships

**Product and Component Elements**

Allows to manage relationships between products and components to define product structure.

See possible relationships: *Product Structure*

**Relationships Management**

- Click on **+** to create a new relationship. The dialog box “Structure” appear.
- Click on **−** to delete the corresponding relationship.

![Structure Dialog Box](image)

Fig. 20: Structure

**Versions of Products and Components**

Allows to define links between versions of products and components.

**Note:** Only with the elements defined in the product structure.
Link management

- Click on to create a new link. The dialog box “Version Structure” appear.
- Click on to delete the corresponding link.

Fig. 21: Version structure
version to projects

This section allows to manage links between projects and versions of products.

Link version to projects management

- Click on + to create a new link.
- Click on Edit to update an existing link.
- Click on − to delete the corresponding link.

![Fig. 22: Project / Version Link](image)

**Table 17: Project-Version link dialog box**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>The project linked to product version or the project list.</td>
</tr>
<tr>
<td>Product</td>
<td>Product linked to the project or the list of products.</td>
</tr>
<tr>
<td>Version</td>
<td>Product version linked to the project or list of product versions.</td>
</tr>
<tr>
<td>Start date</td>
<td>Version start date (planned start date).</td>
</tr>
<tr>
<td>End date</td>
<td>Version end date (release date on the version).</td>
</tr>
<tr>
<td>Status</td>
<td>State to be registered</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the link is not active anymore, without deleting it.</td>
</tr>
</tbody>
</table>

**Fields Project, Product and Version**

- From the screen Projects, the fields product and version will be selectable.
- From the screen Product versions, the field project will be selectable.

### 9.10.6 Versions planning

Select one or more product versions and the planning version is displayed.

This planning displays each version of selected product versions and their components from define start date to deliverable date.

To use it define your start and delivery date in Product Version and Component Version.
**Note:** To insert values you have to activate display the start and delivery milestones’ in global parameters otherwise these fields are hidden.

This screen allows to see if the delivery date of Component versions is more later than their Product versions. Graphically, you can see any delay or incompatibility.

![Planning version](image)

**Fig. 23: Planning version**

**Display options**

Click on ![Add Activity](image) to add an activity. Click on ![Filter Version Display](image) to filter the version display.

Click on **Show activities from product version** or **Show activities from component version** To display the related activities.

New check boxes will appear: one to show resources and the other to show or hide versions with no activity displayed.

You must select an existing activity to insert the new activity into the WBS structure.

If no activity is selected then the “add new element” icon will be grayed out.

The new activity is automatically inserted after the selected activity.

The new activity is generated on the same project, with the same component, the same component version, and with the same product and the same product version if these elements are filled in on the original activity.

The insertion from the selection of a product and component version will not be possible because we do not know where to insert it in the WBS of the projects.
Fig. 24: Version planning options
10.1 Requirements dashboard

Allows user to have a requirement global view of his projects.
Shows several small reports, listing the number of requirements by item.
Filters are available to limit scope.

Direct access to the list of requirements

- In reports, click on an item to get list of requirement corresponding to this item.

Parameters

- Click on to access parameters.

Important: For Synthesis by status, filter clauses are not applicable.

- Allows to define reports displayed on the screen.
- Allows to reorder reports displayed with drag & drop feature.
- Using the selector area button .
  Scope filters
• Filters allow you to restrict the display of saved requirements.
• By status, period, duration, closed element, linked to the user or no related…

No resolution scheduled

• Unscheduled: Requirements whose resolution is not scheduled in a next product version (target product version not set).
10.2 Requirements

Concepts

- Product
- Project

Requirement is a rule defined for a project or a product.
In most IT projects, requirement can be a functional rule for a software.
It allows to define and monitor cost and delays.
It can be linked to test cases, it’s used to describe how you will test that a given requirement.

![Requirements screen](image)

**Fig. 1: Requirements screen**

Rights management

Linking requirements to a project will limit the visibility, respecting rights management at project level.

Requirement link to test cases

Test cases can be linked to a requirement in **List of test cases**.

![List of test cases](image)

**Fig. 2: List of test cases section**

- Click on + to add a test case that will cover the requirement or part of the requirement.
- Click on to search for an item that is not in the list
Fig. 3: Add a test case

- Click on ![create button] to create a new item from the popup

Linking a requirement to a test case will display a summary of test case run (defined in test session). This way, you will have an instant display of test coverage for the requirement.

### summary of test cases

<table>
<thead>
<tr>
<th>number</th>
<th>total</th>
<th>planned</th>
<th>passed</th>
<th>blocked</th>
<th>failed</th>
<th>work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0 d</td>
</tr>
<tr>
<td>summary</td>
<td>issues</td>
<td>failed</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fig. 4: Summary test cases

This section summarizes the status of test case runs to requirement and test session.

- ![tick] **Planned**: No test failed or blocked, at least one test planned.
- ![ok] **Passed**: All tests passed.
- ![x] **Failed**: At least one test failed.
- ![x] **Blocked**: No test failed, at least one test blocked.

Requirement
Summarizes the status of test case runs for test cases are linked to the requirement. Because a test case can be linked to several test sessions, total can be greater than linked to the requirement.

Test session
Summarizes the status of test case runs in the test session.

**Requirement link to tickets**

- When test case run status is set to **failed**, the reference to a ticket must be defined (reference to the incident).
- When the requirement is linked to a test case with this run status, ticket is automatically linked to the requirement.

**Predecessor and successor elements**

- Requirements can have predecessors and successors.
- This defines some dependencies on the requirements.
- The dependencies don’t have specific effects. It is just an information.

**Monitoring indicator**

Possibility to define *indicators* to follow the respect of dates values.

- Respect of validated end date
- Respect of planned end date
- Respect of requested start date
- Respect of validated start date
- Respect of planned start date
- % final use of validated costs (revised/validated)
- % final use of assigned work (revised/assigned)
- % final use of validated work (revised/validated)
- % final use of assigned work (revised/assigned)
- % progress of validated work (real/validated)
- % progress of assigned work (real/assigned)
- % real progress
Description

Table 1: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the requirement</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the requirement.</td>
</tr>
<tr>
<td>Requirement type</td>
<td>Type of requirement.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the requirement.</td>
</tr>
<tr>
<td>Product</td>
<td>The product concerned by the requirement.</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference for the requirement.</td>
</tr>
<tr>
<td>Requestor</td>
<td>Contact who requested the requirement.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the requirement.</td>
</tr>
<tr>
<td>Urgency</td>
<td>Urgency of implementation of the requirement.</td>
</tr>
<tr>
<td>Initial due date</td>
<td>Initial due date.</td>
</tr>
<tr>
<td>Planned due date</td>
<td>Planned due date.</td>
</tr>
<tr>
<td>Description</td>
<td>Long description of the requirement.</td>
</tr>
</tbody>
</table>

Fields Project and Product

- Must be concerned either with a project, a product or both.
- If the project is specified, the list of values for field “Product” contains only products linked the selected project.

Treatment

Table 2: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top requirement</td>
<td>Parent requirement, defining a hierarchic structure.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the requirement.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the requirement.</td>
</tr>
<tr>
<td>Criticality</td>
<td>Level of criticality of the requirement for the product.</td>
</tr>
<tr>
<td>Feasibility</td>
<td>Result of first analysis to check the feasibility of the implementation of the requirement.</td>
</tr>
<tr>
<td>Technical risk</td>
<td>Result of first analysis to measure the technical risk of the implementation of the requirement.</td>
</tr>
<tr>
<td>Estimated effort</td>
<td>Result of first analysis to measure the estimated effort of the implementation of the requirement.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the requirement is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the requirement has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the requirement is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the requirement is cancelled.</td>
</tr>
<tr>
<td>Target version</td>
<td>Version of the product for which this requirement will be active.</td>
</tr>
<tr>
<td>Result</td>
<td>Description of the implementation of the requirement.</td>
</tr>
</tbody>
</table>

Field Target version

Contains the list of product versions available according to the project and product selected.
Lock

A requirement can be locked to ensure that its definition has not changed during the implementation process.

**Lock/Unlock requirement**

- Button to lock or unlock the requirement to preserve it from being changed.
- Only the user who locked the requirement or a habilitated user can unlock a requirement.

**Requirement locked**

- When a requirement is locked the following fields are displayed.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locked</td>
<td>Box checked indicates the requirement is locked.</td>
</tr>
<tr>
<td>Locked by</td>
<td>User who locked the requirement.</td>
</tr>
<tr>
<td>Locked since</td>
<td>Date and time when the requirement was locked.</td>
</tr>
</tbody>
</table>

### 10.3 Test cases

Test cases are elementary actions executed to test a requirement.

You may define several tests to check a requirement, or check several requirements with one test.

The test case is defined for a project, a product or one these components.

![Fig. 5: Test cases screen](image-url)
Rights management

- Linking test case to a project will limit the visibility, respecting rights management at project level.

Predecessor and successor elements

- Test case can have predecessors and successors.
- This defines some dependencies on the test case.
- Dependencies don’t have specific effects. It is just an information.

Description

This section allow you to describe the test to run.

Fields Project and Product

- Must be concerned either with a project, a product or both.
- If the project is specified, the list of values for field “Product” contains only products linked the selected project.

Field Version

- Contains the list of product and component versions available according to the project and product selected.

Field Environment (Context)

- Contexts are initialized for IT Projects as “Environment”, “OS” and “Browser”.
- This can be easily changed values in Contexts screen.

Field Description

- The description of test case should describe the steps to run the test.

Treatment

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parent test case</td>
<td>Parent test case, defining a hierarchic structure for test cases.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the requirement.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible of the test case.</td>
</tr>
<tr>
<td>Priority</td>
<td>Level of priority for the test case.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the test case is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the test case has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the test case is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the test case is cancelled.</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>List of steps that must be performed before running the test.</td>
</tr>
<tr>
<td>Expected result</td>
<td>Description of expected result of the test.</td>
</tr>
</tbody>
</table>

Field Prerequisite

If left blank and test case has a parent, parent prerequisite will automatically be copied here.
Test case run

• **Planned**: Test to be executed.
• **Passed**: Test passed with success (result is conform to expected result).
• **Blocked**: Impossible to run the test because of a prior incident (blocking incident or incident on preceding test) or missing prerequisite.
• **Failed**: Test has returned wrong result.

This section allows to display a complete list of test case runs. These are links of the test to test sessions. This list also displays the current status of the test in the sessions.

Table 4: Fields - Test case runs list

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test session</td>
<td>Composed of session type, Id and description.</td>
</tr>
<tr>
<td>Status</td>
<td>Current status of the test case run in the test session.</td>
</tr>
</tbody>
</table>

10.4 Test sessions

A test session defines the set of tests to be executed to achieve a given objective, such as covering a requirement. Define in the test case runs all test cases will be running to this test session.

For each test case run sets the status of test results. (See: Test case run status)

The test session is defined for a project, a product or one these components.
Rights management

- Linking test session to a *project* will limit the visibility, respecting rights management at project level.

Test sessions regroupment

- Test session can have parents to regroup test sessions.

Planning element

- A test session is a planning element like *Activity*.
- A test session is a task in a *Gantt type project planning*.
- Allows to *assigned* resource and follow up progress.

Predecessor and successor elements

- Test sessions can have predecessors and successors.
- This defines some *dependencies* on test cases or planning constraints.

Monitoring indicator

- The indicators can be defined in the *List of Values*.
- See: *Health status* and *Overall progress*

Other sections

- *Assignment*
- *Progress*
- *Predecessor and Successor*
- Linked element
- Attachments
- Notes

**Description**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the test session.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the test session.</td>
</tr>
<tr>
<td>Session type</td>
<td>Type of test session.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the test session.</td>
</tr>
<tr>
<td>Product</td>
<td>The product concerned by the test session.</td>
</tr>
<tr>
<td>Version</td>
<td>Version of the product or component concerned by the test session.</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference for the test session.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the test session.</td>
</tr>
</tbody>
</table>

**Fields Project and Product**

- Must be concerned either with a project, a product or both.
- If the project is specified, the list of values for field “Product” contains only products linked the selected project.

**Field Version**

- Contains the list of product and component versions available according to the project and product selected.

**Treatment**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the test session.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible of the test session.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the test session is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the test session has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the test session is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the test session is cancelled.</td>
</tr>
<tr>
<td>Result</td>
<td>Summary result of the test session.</td>
</tr>
</tbody>
</table>
Test case runs

Test case runs list management

- Click on  to add a test case run. The Test case run dialog box will be appear.
- Click on  to edit a test case run. The Test case run detail dialog box will be appear.
- Click on  to remove a test case run.
- Click on  to mark test case run as passed.
- Click on  to mark test case run as failed. The Test case run detail dialog box will be appear.
- Click on  to mark test case run as blocked.

Table 5: Fields - Test case runs list

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test case</td>
<td>Information about test case (type, Id and name).</td>
</tr>
<tr>
<td>Detail</td>
<td>Detail of test case.</td>
</tr>
<tr>
<td>Status</td>
<td>Status of test case run.</td>
</tr>
</tbody>
</table>

Field Test case

- This icon  appears when the test case run comment field is filled.
- Moving the mouse over the icon will display the test case run comments.

Field Detail

- Moving the mouse over the icon  will display the test case description.
- Moving the mouse over the icon  will display the test case expected result.
- Moving the mouse over the icon  will display the test case prerequisite.

Field Status

- If status of test case run is failed, information about selected ticket is displayed too.

Note:

- When status is set to failed, the reference to a ticket must be defined (reference to the incident).
- The referenced ticket is automatically added in linked element.
- Field ticket appear only whether status of test case run is **failed**.
11.1 Risks

A risk is any threat of an event that may have a negative impact to the project, and which may be neutralized, or at least minimized, through pre-defined actions.

The risk management plan is a key point to project management:

• Identify risks and estimate their severity and likelihood.
• Identify mitigating actions.
• Identify opportunities.
• Follow-up actions.
• Identify risks that finally occur (becoming an issue).

Contingency reserve

• Contingency reserve is defined according to monetary impact and likelihood of occurrence.
• Contingency reserve for risks and potential gain for opportunities allow to define the project reserve. (See: Project reserve)

Monitoring indicator

• Possibility to define indicators to follow the respect of dates values.

  Respect of initial due date
  Respect of planned due date

Other sections

• Linked element
• Attachments
• Notes
### Section Description

Table 1: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the risk.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the risk.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of risk.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the risk.</td>
</tr>
<tr>
<td>Severity</td>
<td>Level of importance of the impact for the project.</td>
</tr>
<tr>
<td>Likelihood</td>
<td>Probability level of the risk to occur.</td>
</tr>
<tr>
<td>Criticality</td>
<td>Global evaluation level of the risk.</td>
</tr>
<tr>
<td>Cost of impact</td>
<td>Impact cost of the risk.</td>
</tr>
<tr>
<td>Project reserved cost</td>
<td>The reserve amount according to the risk likelihood.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the risk.</td>
</tr>
<tr>
<td>Cause</td>
<td>Description of the event that may trigger the risk.</td>
</tr>
<tr>
<td>Impact</td>
<td>Description of the estimated impact on the project if the risk occurs.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the risk.</td>
</tr>
</tbody>
</table>

Field Criticality

Automatically calculated from Severity and Likelihood values. See: *Criticality value calculation*. Value can be changed.

Field Project reserved cost

Automatically calculated from the percentage defined for the selected likelihood. (See: *Likelihoods*).

### Section Treatment

Table 2: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the risk.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the treatment of the risk.</td>
</tr>
<tr>
<td>Priority</td>
<td>Expected priority to take into account this risk.</td>
</tr>
<tr>
<td>Initial end date</td>
<td>Initially expected end date of the risk.</td>
</tr>
<tr>
<td>Planned end date</td>
<td>Updated end date of the risk.</td>
</tr>
<tr>
<td>In progress</td>
<td>Flag to indicate that risk is taken into account.</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that risk has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that risk is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that risk is cancelled.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment done on the risk.</td>
</tr>
</tbody>
</table>
11.2 Opportunities

Other sections

- *Linked element*
- *Attachments*
- *Notes*

An opportunity can be seen as a positive risk. It is not a threat but the opportunity to have a positive impact to the project.

Potential gain

- The potential gain is defined according to the expected amount and likelihood of occurrence.
- Contingency reserve for risks and potential gain for opportunities allow to define the project reserve.
  - See: *Project reserve*

Section Description

Table 3: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the opportunity.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the opportunity.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of opportunity.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the opportunity.</td>
</tr>
<tr>
<td>Significance</td>
<td>Level of importance of the impact for the project.</td>
</tr>
<tr>
<td>Likelihood</td>
<td>Evaluation of the estimated improvement, or positive impact, on the project of the opportunity.</td>
</tr>
<tr>
<td>Criticality</td>
<td>Global evaluation level of the opportunity.</td>
</tr>
<tr>
<td>Expected improvement</td>
<td>Expected amount of the opportunity.</td>
</tr>
<tr>
<td>Project reserved gain</td>
<td>The estimated gain, according to the opportunity likelihood.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the opportunity.</td>
</tr>
<tr>
<td>Opportunity source</td>
<td>Description of the event that may trigger the opportunity.</td>
</tr>
<tr>
<td>Impact</td>
<td>Description of the estimated positive impact on the project.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the opportunity.</td>
</tr>
</tbody>
</table>

Field Criticality

Automatically calculated from Significance and Likelihood values. See: *Criticality value calculation* - Value can be changed.

Field Project reserved gain

Automatically calculated from the percentage defined for the selected likelihood. (See: *Likelihoods*)
### Section Treatment

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual <em>status</em> of the opportunity.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the opportunity.</td>
</tr>
<tr>
<td>Priority</td>
<td>Expected priority to take into account this opportunity.</td>
</tr>
<tr>
<td>Initial end date</td>
<td>Initially expected end date of the opportunity.</td>
</tr>
<tr>
<td>Planned end date</td>
<td>Updated end date of the opportunity.</td>
</tr>
<tr>
<td>In progress</td>
<td>Flag to indicate that opportunity is taken into account.</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that opportunity has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that opportunity is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that opportunity is cancelled.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment of the opportunity.</td>
</tr>
</tbody>
</table>

Table 4: Required fields
11.3 Criticality value calculation

Criticality value is automatically calculated from **Severity (Significance)** and **Likelihood** values. Criticality, Severity (Significance) and Likelihood values are defined in lists of values screens. See: Criticalities, Severities and Likelihoods screens.

In the previous screens, a name of value is set with numeric value.

Criticality numeric value is determined by a simple equation as follows:

**Equation**

- \[ \text{Criticality value} = \frac{\text{Severity value} \times \text{Likelihood value}}{2} \]
- For example:
  - Critical (8) = High (4) \times High (4) / 2

**Default values**

- Default values are determined.
- You can change its values while respecting the equation defined above.
11.4 Issues

An issue is a problem that occurs during the project.
If the risk Management plan has been correctly managed, issues should always be occurring identified risks.
Actions must be defined to solve the issue.

Monitoring indicator

- Possibility to define indicators to follow the respect of dates values.
  
  **Respect of initial due date**
  
  **Respect of planned due date**

Other sections

- Linked element
- Attachments
- Notes

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the issue.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the issue.</td>
</tr>
<tr>
<td>Type</td>
<td>Type of issue.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the issue.</td>
</tr>
<tr>
<td>Criticality</td>
<td>Level of importance of the impact for the project.</td>
</tr>
<tr>
<td>Priority</td>
<td>Priority requested to the treatment of the issue.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the issue.</td>
</tr>
<tr>
<td>Cause</td>
<td>Description of the event that led to the issue.</td>
</tr>
<tr>
<td>Impact</td>
<td>Description of the impact of the issue on the project.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the issue.</td>
</tr>
</tbody>
</table>
## Section Treatment

### Table 6: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Actual status of the issue.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the issue.</td>
</tr>
<tr>
<td>Initial end date</td>
<td>Initially expected end date of the issue.</td>
</tr>
<tr>
<td>Planned end date</td>
<td>Updated end date of the issue.</td>
</tr>
<tr>
<td>In progress</td>
<td>Flag to indicate that issue is taken into account.</td>
</tr>
<tr>
<td>Done</td>
<td>Flag to indicate that issue has been treated.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that issue is archived.</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Flag to indicate that issue is cancelled.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the treatment of the issue.</td>
</tr>
</tbody>
</table>
11.5 Actions

An action is a task or activity that is set-up in order to:

- Reduce the likelihood of a risk
- or reduce the impact of a risk
- or solve an issue
- or build a post-meeting action plan
- or just define a “to do list”.

The actions are the main activities of the risk management plan. They must be regularly followed-up.

Private action

- Private actions allow to manage a personal to-do list.

Monitoring indicator

- Possibility to define indicators to follow the respect of dates values.

\[\text{Respect of initial due date}\]
\[\text{Respect of planned due date}\]

Other sections

- Linked element
- Attachments
- Notes

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the action.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the action.</td>
</tr>
<tr>
<td>Action type</td>
<td>Type of action.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the action.</td>
</tr>
<tr>
<td>Priority</td>
<td>Priority requested to the treatment of the action.</td>
</tr>
<tr>
<td>Private</td>
<td>Box checked allows to define a private action.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the action.</td>
</tr>
</tbody>
</table>
Section Treatment

Table 8: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Status</strong></td>
<td>Actual status of the action.</td>
</tr>
<tr>
<td><strong>Responsible</strong></td>
<td>Resource who is responsible for the action.</td>
</tr>
<tr>
<td><strong>Initial due date</strong></td>
<td>Initially expected end date of the action.</td>
</tr>
<tr>
<td><strong>Planned due date</strong></td>
<td>Updated end date of the action.</td>
</tr>
<tr>
<td><strong>In progress</strong></td>
<td>Box checked indicates that the action is taken over.</td>
</tr>
<tr>
<td><strong>Done</strong></td>
<td>Box checked indicates that the action has been treated.</td>
</tr>
<tr>
<td><strong>Closed</strong></td>
<td>Box checked indicates that the action is archived.</td>
</tr>
<tr>
<td><strong>Cancelled</strong></td>
<td>Box checked indicates that the action is cancelled.</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>Evaluation of the efficiency the action had on the objective (for instance on the risk mitigation).</td>
</tr>
<tr>
<td><strong>Result</strong></td>
<td>Complete description of the treatment of the action.</td>
</tr>
</tbody>
</table>

11.6 Tickets

A ticket is a kind of task that cannot be scheduled in a unitary manner.

This is usually a short-lived activity for a single ticket that gives feedback to the issuer or to keep track of the result.

It can be globally planned as a general activity, but not unitarily.

For instance, bugs should be managed through tickets:

- You can not plan bugs before they are registered.
- You must be able to give a feedback on each bug.
- You can (or at least should) globally plan bug fixing activity.
Tickets (simple)

- This screen is a limited version of screen “Tickets”.
- It’s dedicated to users who want to create and follow their own tickets without being involved in their treatment.
- When fields and features are available, the description is similar.

Restrict the entry of real work in the ticket

- Possibility to define that only the responsible of ticket can enter real work.
- This behavior can be set in Global parameters screen.

Due dates

- Initial and planned due date allows to define a target date for solving the ticket.
  
  Initial due date
  - If a definition of ticket delay exists for giving ticket type and urgency the date is automatically calculated with this delay.
  - Delays for tickets screen allows to define ticket delay.

  Note: Initial due date of the ticket set as read only if it is calculated from the setting of “delays for tickets”

  Planned due date
  - Is used to define a target date after evaluation.
  - Automatically initialized to the initial due date.

Monitoring indicator

- Possibility to define indicators to follow the respect of dates values.

Respect of initial due date/time

Respect of planned due date/time

Product, component and versions fields

- Allows to identify the product and component relating to the issue.
- Identifies from which versions, the issue occurs and to which versions a resolution will be applied.

Versions identified

- A ticket can identify all versions allocated.
- Possibility to define a main version and the other versions allocated.
- See: Product concept.
Responsible of product

A responsible can be defined for a product or component.

If a product or component is selected, the responsible defined can be automatically assigned to the ticket.

Note: Ticket responsible from product responsible

This parameter, in Global parameters, allows to define, if the defined responsible is automatically assigned to the ticket.

See: Global Parameters

Other sections

- Linked element
- Attachments
- Notes

Section Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the ticket.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the ticket.</td>
</tr>
<tr>
<td>Ticket type</td>
<td>Type of ticket.</td>
</tr>
<tr>
<td>Project</td>
<td>The project concerned by the ticket.</td>
</tr>
<tr>
<td>External reference</td>
<td>External reference of the ticket.</td>
</tr>
<tr>
<td>Urgency</td>
<td>Urgency for treatment of the ticket, as requested by the issuer.</td>
</tr>
<tr>
<td>Requestor</td>
<td>Contact at the origin of the ticket.</td>
</tr>
<tr>
<td>Origin</td>
<td>Element which is the origin of the ticket.</td>
</tr>
<tr>
<td>Duplicate ticket</td>
<td>Link to another ticket, to link duplicate tickets.</td>
</tr>
<tr>
<td>Context</td>
<td>List of 3 items describing the context of the ticket.</td>
</tr>
<tr>
<td>Product</td>
<td>The product for which this ticket has been identified.</td>
</tr>
<tr>
<td>Component</td>
<td>The component for which this ticket has been identified.</td>
</tr>
<tr>
<td>Original product version</td>
<td>Product versions for which the issue has been identified.</td>
</tr>
<tr>
<td>Original comp. version</td>
<td>Component versions for which the issue has been identified.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the ticket.</td>
</tr>
</tbody>
</table>

Field Context

- Contexts are initialized for IT Projects as “Environment”, “OS” and “Browser”.
- This can be easily changed values in Contexts screen.

Product or component

- List of values contains the products and components linked the selected project.
Fields: Original product version & Original comp. version

- The list of values will be filtered depending on the selected value in fields “Product and component”.
- Click on + to add another version, see Multi-version selection.

Section Treatment

Table 10: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning activity</td>
<td>Activity where global work for this kind of ticket is planned.</td>
</tr>
<tr>
<td>Status</td>
<td>Actual status of the ticket.</td>
</tr>
<tr>
<td>Resolution</td>
<td>Ticket resolution.</td>
</tr>
<tr>
<td>Regression</td>
<td>Notion of regression can be added.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Resource who is responsible for the ticket.</td>
</tr>
<tr>
<td>Criticality</td>
<td>Importance of impact on the system, as determined after analysis.</td>
</tr>
<tr>
<td>Initial due date</td>
<td>Initial target date for solving the ticket.</td>
</tr>
<tr>
<td>Planned due date</td>
<td>Actual target date for solving the ticket.</td>
</tr>
<tr>
<td>Estimated work</td>
<td>Estimated workload needed to treat the ticket.</td>
</tr>
<tr>
<td>Real work</td>
<td>Real workload spent to treat the ticket.</td>
</tr>
<tr>
<td>Left work</td>
<td>Left workload needed to finish the ticket. Automatically calculated as Estimated – Real Set to zero when ticket is done.</td>
</tr>
<tr>
<td>In progress</td>
<td>Box checked indicates the ticket is taken over.</td>
</tr>
<tr>
<td>Done</td>
<td>Box checked indicates the ticket has been treated.</td>
</tr>
<tr>
<td>Solved</td>
<td>Box checked indicates the ticket has been solved.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the ticket is archived.</td>
</tr>
<tr>
<td>Solved</td>
<td>The box is automatically checked or unchecked, according to the resolution selected</td>
</tr>
<tr>
<td>Cancelled</td>
<td>Box checked indicates the ticket is cancelled.</td>
</tr>
<tr>
<td>Target product version</td>
<td>Product versions for which a resolution of issue will be delivered.</td>
</tr>
<tr>
<td>Target comp. version</td>
<td>Component versions for which a resolution of issue will be delivered.</td>
</tr>
<tr>
<td>Result</td>
<td>Complete description of the resolution of the ticket.</td>
</tr>
</tbody>
</table>

Note: Priority

- Automatically calculated from Urgency and Criticality values.

  See: Priority value calculation.

- Can be changed manually.

Note: Target product version & Target comp. version

- The list of values will be filtered depending on the selected value in fields “Product and component”.

- Click on + to add another version, see Multi-version selection.
**Button Start/End work**

- The start Work / Stop Work button is a clock on / off timer.
- If the logged in user is a resource, he or she has the option to start working on the ticket.
- Click the “Start work” button to start timing the processing time on the ticket.
- The start time is then displayed under the button and the button changes name.

- Once the work is done, press the “stop work” button.
- The spend time will automatically be converted as real work.
- It’ll be transferred on planning activity if it is set.
- A decrease in “left work” on activity will be carried out.
- If the ticket goes into a paused state then the work started with the start work button will be stopped.

**Important:** Closing the application or starting work on another ticket will automatically stop the current ongoing work.

**Button Dispatch**

This button allows to dispatch ticket.

- Click on + to add a line.

**Button Show periods**

You can calculate the time spent between the start of processing, which corresponds to the receipt of the ticket and the end of processing of a ticket, that is to say when it goes to the done state, with the possibility of subtracting waiting periods thanks to the “paused” state macro.

The passages from an active macro-state to a non-active macro-state (paused or done), are recorded thanks to the start and end dates of each period. This table is updated automatically with calculation of the duration in working hours and the duration in calendar hours when the end date of the period is entered.
### Fig. 2: Status period

```
<table>
<thead>
<tr>
<th>date</th>
<th>resources</th>
<th>work</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/25/2021</td>
<td>admin</td>
<td>0.2</td>
</tr>
<tr>
<td>01/26/2021</td>
<td>analyst A</td>
<td>0.4</td>
</tr>
</tbody>
</table>
```

**Status periods**

<table>
<thead>
<tr>
<th>Macro status</th>
<th>Start of period</th>
<th>End of period</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>In progress</td>
<td>less than 5 min</td>
<td>less than 5 min</td>
<td>1 min</td>
</tr>
<tr>
<td>In progress</td>
<td>less than 5 min</td>
<td>Just now</td>
<td>3 min</td>
</tr>
<tr>
<td>In progress</td>
<td>Just now</td>
<td>In progress</td>
<td>3 min</td>
</tr>
</tbody>
</table>

```
11.6.1 Planning activity

Planning activity field allows to link the ticket with a planning activity.

If the global parameter limit Planning Activity to those with flag is set to yes then:

- You must check the “Planning activity” box on the activity to be linked.
- It will then be visible in the planning activities list of your ticket.
- Work on the ticket will be included in this activity.
- After saving the option, new fields are displayed.
- You can see the number of tickets linked to this activity and time information corresponding to all of these tickets.

![Fig. 3: New fields displayed after saving the Planning activity option](image)

- Click on ![icon](image) to open a popup which will display the details of these tickets.

![Fig. 4: List of tickets linked to the activity](image)

**Real work**

Put the real work from tickets to the resource timesheet.

- When a resource has entered the real work on the ticket and the ticket is linked to a planning activity.
- The resource is automatically assigned to this activity.
- Real work set on tickets is automatically set in resource timesheet.

![Fig. 5: Imputations real work on related tickets.](image)
• The tickets are very dependent on the planning activity.
• The time indicated by the resources will be decremented to that planned for the activity.
11.6.2 Multi-version selection

In the version fields, it’s possible to set several versions.

Main and other version

• The version with smaller id will appear in the select list and is considered as the main version.
• Other versions are listed above.
• It is possible to set an ‘other’ version as the main version using the button .

• Click on to add a version.
• Click on to delete a version.

11.6.3 Priority value calculation

Priority value is automatically calculated from Urgency and Criticality values.

Priority, Urgency and Criticality values are defined in lists of values screens. See: Priorities, Urgencies and Criticalities screens.

In the previous screens, a name of value is set with numeric value.

Priority numeric value is determined by a simple equation as follows:

Equation

• \([\text{Priority value}] = [\text{Urgency value}] \times [\text{Criticality value}] / 2\)
• For example:
  – Blocking (4) \times Critical (8) / 2 = Critical priority (16) for [Priority value]

Default values

• Default values are determined.
• You can change its values while respecting the equation defined above.

11.6.4 mailbox for tickets

ProjeQtOr offers to save tickets from e-mail directly in the application.

Description section

This section allows you to enter the parameters of your mailbox.
Fig. 6: Receive email from ticket screen

Table 11: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the ticket.</td>
</tr>
<tr>
<td>Name</td>
<td>Short description of the ticket.</td>
</tr>
<tr>
<td>Project</td>
<td>name of the project to which the ticket is attached.</td>
</tr>
<tr>
<td>IMAP host</td>
<td>Name of your IMAP host.</td>
</tr>
<tr>
<td>IMAP User</td>
<td>Mail of the IMAP user.</td>
</tr>
<tr>
<td>IMAP Password</td>
<td>IMAP user account password entered.</td>
</tr>
</tbody>
</table>

You can create new mailboxes for tickets on projects and for each type of ticket configured in ProjeQtOr.

**IMAP Host**

The address must be an IMAP connection string.

Example to connect to the GMAIL input area, the host must be

{imap.gmail.com:143}INBOX

No protocol is required

If the certificates are self-signed then you can test to add novalidate-cert in your address

{imap.gmail.com:143/novalidate-cert}INBOX

**Security constraints**

- **Mails from any source (may lead to spam)** Allow you to receive emails from anyone and therefore can cause spam
- **Only mails from known users** Can only receive emails saved in your ProjeQtOr application
- **Only mails from known users allocated to the project** Only allows you to receive emails saved in your ProjeQtOr application and which are assigned to the project selected in the settings of your mailbox

**Processed emails**

- **mark e-mail as read** All emails that are authenticated and correct according to the constraints set, are accepted and marked as read.
- **delete e-mail from imap mail box** All emails that are not properly authenticated and that do not meet the set constraints are permanently deleted from the IMAP box.
Rejected emails

- **do not modify e-mail** An email is rejected when it does not meet the criteria for setting up your mailbox. Do not modify the email is an option that will not trigger either deletion or marking. The rejected email remains unread.

- **mark e-mail as read** The rejected email is marked as read.

- **delete e-mail from imap mail box** The rejected email is permanently deleted from the IMAP box.

Other contraints

- **Include attachments** Indicates whether or not you allow your users to attach attachments.

- **Sort order**

  In case of several mailboxes on a single project, the order of tru of the boxes is important since it is always in ascending order that the mailboxes manage incoming tickets.

  Voir: Management of several mailboxes

- **Allow up to maximum weight allowed for receiving emails.**

**Warning:**

Maximum weight

There is no weight limit in ProjeQtOr but probably your mail server.

Most of the time emails are blocked beyond 5 to 10 MB

### Treatment

Table 12: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ticket type</td>
<td>Type of ticket for which emails will be sent.</td>
</tr>
<tr>
<td>Responsible</td>
<td>Name of the person who will work on the default ticket.</td>
</tr>
<tr>
<td>Planning activity</td>
<td>Name of the planning activity on which the tickets will be decremented. The parent activity must belong to the same project.</td>
</tr>
<tr>
<td>Limit of tickets / hour</td>
<td>Maximum number of emails per hour allowed.ех.</td>
</tr>
<tr>
<td>Last input date</td>
<td>Date of last ticket received</td>
</tr>
<tr>
<td>Last input ticket</td>
<td>Display the name of the last ticket received</td>
</tr>
<tr>
<td>Total input tickets</td>
<td>Total number of the tickets since the mailbox creation</td>
</tr>
</tbody>
</table>

**Warning:** Cron must be launched for tickets to be processed in ProjeQtOr. If you do not receive a ticket, try to stop the cron so that it can restart with a refresh of the code.

Some fields can be decisive for the reception of your emails.

**Limit of tickets / hour**

- This limit allows you to restrict the reception of emails by hour.

  If the number of tickets received is much higher than your limitation then the probability of spam is to be considered or you have incorrectly evaluated the number of tickets to be processed.

- When the maximum number of tickets is reached then the mailbox freezes

  Only manual intervention by the administrator can unlock it

  Its role will consist in reassessing the number of tickets to allow their receipt
• If the maximum number of tickets per hour has been reached then you have a rejection message on the history line: rejected ticket: ticket limit per hour

History of ticket created

You can choose the number of tickets to display in the history by filling in the “history to display” field

Table 13: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email adresse</td>
<td>address of the ticket sender</td>
</tr>
<tr>
<td>Date</td>
<td>date of receipt of the ticket</td>
</tr>
<tr>
<td>Result</td>
<td>Indicates whether the ticket has been processed or rejected</td>
</tr>
</tbody>
</table>

Replies from Email

The processing of incoming mailboxes is adapted to simplify their use. The use of the mailbox for new tickets is the same for replies.

The reference of the element from which the email is sent is added in the subject of the email.

In the procedure for determining the origin of an incoming email, ProjeQtOr searches for the reference in the subject of the email.

• If it is not found, ProjeQtOr considers it a new request to be integrated as a new ticket.

• If the reference is found in the subject of the incoming email, then the reply is inserted on the element, like a note.

Management of processed emails

In the global parameters you can determine, upon receipt of the email, whether you want to mark it as read or delete it.

Receipt of multi-project tickets

You will be able to receive all tickets from different customers on a single IMAP box.

• You define several configurations on the same IMAP box with constraints on the existence of the sender and its assignment to the project concerned.

• You define a configuration on the IMAP box that has no constraint or just a constraint on the existence of the sender

• You set the order in which configurations are processed to ensure that the most permissive configuration is processed last.

Important: Be careful, you will have to be careful to have a “final” configuration that will mark as read or delete emails that are not correctly processed. Otherwise, the IMAP box will keep an increasing amount of emails that will be reprocessed (and rejected) by all configurations on each sequenced cycle of reading IMAP boxes. This will not be controlled by the system.

multi-box example on a single project

BOX 1 Security constraints: only emails from known users allocated to the project processed email: Mark email as read Rejected email: do not modify email

BOX 2 Security constraints: only emails from known users processed email: Mark email as read Rejected email: do not modify e-mail
BOX 3 Security constraints: emails from any source (may lead to spam) processed email: Mark email as read
Rejected email: delete e-mail from imap mail box

- An email from a known individual assigned to the project will be processed by box 1
- An email from an individual known as a user in ProjeQtOr will be processed by box 2.
- An email from an individual who is not assigned to the project and who is not a known user of ProjeQtOr will not be processed by box 1 and 2. It will be processed directly by box 3.

11.6.5 Management of tokens on ticket

You can define and integrate tokens on tickets that you can track on your customer contracts.
The use of this feature is configurable and must be activated in the modules management to have access to it.
A new screen for the definition of tokens will be accessible via the financial part incomes menu.

Token definition

The objective is to define all types of tokens likely to be ordered by your client.

You set values for a token.

Duration

Fig. 7: Token definition screen
Value of the token in days or hours (depending on the time recording unit in global parameters)

Amount

Monetary value of the token in € (depending on the currency recording unit in global parameters)

Splittable token

Defines if the token can be divisible, if half tokens can be entered

Surcharge situations

Enter situations of increase that may apply to tokens, such as night work, or even during days normally not worked

**Warning:** When a token has been used on a ticket, it becomes impossible to modify it.

Similarly, it is not possible to delete or modify the coefficient for a mark-up situation used on a line of work

**Token on the client contract**

On the client contract, we will add a table with order management functions.

- Click on ![add token icon] to add tokens to the order

- Select the token type from those defined on the project or its parent projects.

- Entering the ordered quantity of tokens

- Added a descriptive comment

**When you have entered the order, the table will indicate:**

In the tokens ordered section

- The type of tokens ordered and its description

- The total amount of tokens ordered

![Fig. 8: Add work token command](image-url)
Fig. 9: Management of ordered tokens

- the total duration to which the number of tokens corresponds
- The total amount to which the number of tokens ordered corresponds

In the tokens used part
- The total number of tokens used without surcharges
- The total number of tokens used with markup
- the total duration of the tokens used with and without surcharges
- The total cost of tokens used taking into account markups

In the remaining tokens part
- Display of the remaining duration of the tokens (duration ordered - duration used)
- Display of the number of remaining tokens (amount ordered - amount used)

The Total Line, sums the numbers, amounts and durations (ordered, completed, remaining) for all types of tokens in the contract

**Token on tickets**

When you create a ticket on the project where the tokens have been defined then you will be able to select these tokens when dispatching the job.

Click on **dispatch** to open the pop-up.

The start date and time are automatically filled in with the current dates and times.

- Select the resource working on the ticket
- Add the workload for this ticket
- Select the token corresponding to the need of the ticket
- Determine if a markup type applies to this ticket
- The quantity of tokens (without decimal if the token is not divisible)
- The mark-up rule, to be chosen from the rules defined on the token
- The number of increased tokens calculated by applying the increase rule
• If the billable box is checked then the tokens will not be counted on the customer contract.

**Warning:** The “Mark-up situations” are descriptive and may or may not be related to the time of execution. There will therefore be no automatic determination of the increase situation according to the day or time of the entry of the time spent.

### 11.6.6 synchronize an activity and a ticket

You can sync tickets with activities. So when you enable this option, all tickets are synced like this:

• We attach the activity as a planning activity of the ticket
• We link the activity with the ticket
• The ticket is entered as the origin of the activity
• We modify the state of the element which has the least advanced state to pass it to the state of its binomial (the most advanced).
• The other data is not synchronized (a gap may then exist if the ticket is attached to an existing activity).

You activate the option directly on the project. More flexible solution that will allow great flexibility according to potentially different behaviors depending on the project.

This is a one-time link to avoid recursive updates. A ticket is synchronized with a single activity and an activity will be synchronized with a single ticket (unique pair).

Synchronization functionality set on a project is not inherited to subprojects.
Deleting a synced item

Click on **define synchronization** to open the pop-up.

![Definition of synchronization](image)

When activating the function on a project, a pop-up window will be displayed allowing to define:

- The status of the ticket automatically generating the activity
- The type of ticket concerned (optional, to allow all types of tickets to be covered)
- The type of activity to create
- An option to automatically trigger the attachment of the activity as a ticket schedule activity
- An option to sync existing tickets

**Treatment of the existing: Synchronize existing tickets**

When this option is selected, all unclosed tickets whose status is greater than or equal to the trigger status and whose type is the one specified will be synchronized with an activity.

- If the ticket is already synced with an activity, nothing happens. This is the case of reactivating a previously deactivated rule.
- If the ticket is attached to an open planning activity, the ticket is synchronized with this activity.
- If the ticket originates from one and only one unclosed activity, it is synchronized with this activity. Otherwise we will create a new activity that will be synchronized with the ticket.

In all cases of research of the activity to be attached, we make sure that it is not already synchronized with another ticket and that it does not originate from another ticket.

When a Ticket or Activity item is edited and synced to a pair, changes to some fields carry over to their pair:

- Name
- Project
- State
• Responsible
• Product
• Component
• Target product version
• Target component version

The project

When you change the project of a ticket attached to a planning activity, a consistency check prevents you from making this modification since the two elements must be linked on the same project.

In case of synchronization, the control is ignored and you can change the project on one of the two elements, the modification will be passed on to the other.

• If a ticket changes project or type before its triggered state, it is not synced.
  It is then subject to the new project or new type rule.
  A check is carried out to find out if the ticket is not already in the trigger state for the new project or the new type and to trigger the synchronization in this case.
• If a ticket changes project or type after its triggered state, it’s already synced. He continues to be synchronized with his partner according to the rule of his original project, whether his new project has a synchronization rule or not.
  The change of project of the ticket can also come directly from a modification on the ticket or from a modification of its binomial activity.
  The rule is always the same: pair synchronization is maintained.

The states and the workflow

On certain status changes, certain fields may become mandatory and these fields are not necessarily synchronized. Like the description or the result.

In this case, these fields - not synchronized - are automatically filled in if they are in the element being modified.

If, despite everything, there are still invalid checks for the element to be synchronized, the update is globally rejected with an explicit message.

For example, closing a ticket associated with an activity on which there is still work to do should not be done.

In order for status changes to be consistent, the workflows between the ticket and the related activity should be the same to avoid inconsistencies in status changes.

A mechanism will still make it possible to override the rules of the workflow for the element which will change state automatically.

Essential, especially when creating the activity, which must be created directly in the same state as the ticket, but which will also be applied later.

For example, if an activity has moved into a state that does not belong to the ticket’s workflow, the state change is made to keep synchronization.

Warning: This can lead to placing the ticket in a state from which it can no longer exit (because it is outside its workflow). In this case, only the change of state of the activity can unlock the ticket.

The same case can be produced on the activity which would be blocked following the change of state of the ticket.
Workload

Attaching the activity as the Ticket’s Schedule Activity will impact the load:

- The charge charged in real time to the ticket is recorded in the actual costs of the activity
- The charge charged in real time on the ticket is automatically decremented in the remaining charges of the activity

In the case of synchronized items, you can only enter actual load on the ticket. This charge will then be properly accounted for on the activity via the Planning Activity mechanism.

Deleting a synced item

When a Ticket or Activity item is deleted and synced to a pair, a confirmation message is displayed to the user. In this case, the associated item is not deleted, but the synchronization is deleted.

deactivation of the function

In case of deactivation of the function at the project level, a check is carried out and alerts the user if there are tickets synchronized with activities.

- If there are synchronizations in progress, a pop-up window opens to display the number of existing pairs, distinguishing the number of closed and unclosed.

- **If the number of existing pairs is not zero, you can select the existing links that must be kept or deleted.**
  - In case the links are deleted, the function is completely disabled
  - In case the links are not deleted, the function is disabled only for tickets not yet synchronized. Tickets already synced remain synced.

There is then no longer any way to delete the synchronization (except to delete one of the elements of the pair).

11.6.7 Vote on ticket

Under construction
11.7 Tickets dashboard

Allows user to have a tickets global view of his projects.

Displays several small syntheses that group the tickets by category: type, priority or by product, component or by state.

The number of tickets is listed. The result is displayed with numbers and as a percentage.

Filters are available to limit scope.

Direct access to the list of tickets

- In the various summaries, click on an element to obtain the list of tickets corresponding to this element.
- you return to the tickets screen

Parameters

- Click on to access parameters.
- Allows to define reports displayed on the screen.
- Using to reorder reports displayed.
- For Synthesis by status, filter clauses are not applicable.
Filters

Filters allow you to restrict the display of saved requirements.

Scope filters:

- By status, period, duration, closed element, linked to the user or no related...

No resolution scheduled:

- Unscheduled: Requirements whose resolution is not scheduled in a next product version (target product version not set).
ENVIRONMENTAL PARAMETERS
12.1 Users

The user is a person that will be able to connect to the application.

**Warning:** To be able to connect, the user must have a password and a user profile defined.

![User screen](image)

**Fig. 1: User screen**

ProjeQtOr and LDAP users

ProjeQtOr offers three modes of authentication.

**ProjeQtOr users**

- Users’ information is kept in the application database.
- Password policy and login behavior are managed by the application.
- See: *User and password*

**Note:** The users “admin” and “guest” are created during installation.

**LDAP users**

- Allows users defined in an external directory to login at ProjeQtOr by the LDAP protocol.
- Users’ information and password policy are managed in the external directory.
- For each user from an LDAP, the word “comes from Ldap” will be displayed next to the user’s name with possibility of modification according to the rights of the connected user.
- See: *LDAP Management Parameters*

**SSO users**

- Allows users to connect to ProjeQtOr using the SSO protocol.
- Set entity ID, IDP certificate, unique login and logout, etc.
- Information message on creating a new user from SAML.
- User information and password policy are In progress by your SSO solution.
• See Single Sign On SAML2

Default user profile

• A default user profile is set during creation of the user.
• A different default profile can be set according to mode of authentication.

Web Service

• ProjeQtOr provides an API to interact with its elements. It is provided as REST Web Service.
• An API key is defined for the user.
• This API key is used to encrypt the data for methods: PUT, PUSH and DELETE.

Section Description

Other sections

• Allocations

Concepts

• ProjeQtOr roles
• Profiles definition
• Stakeholder definition
• Tab Profile

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the user.</td>
</tr>
<tr>
<td>Photo</td>
<td>Photo of the user.</td>
</tr>
<tr>
<td>User name</td>
<td>login id of the user.</td>
</tr>
<tr>
<td>Real name</td>
<td>Name of the user.</td>
</tr>
<tr>
<td>Initials</td>
<td>Initials of the user.</td>
</tr>
<tr>
<td>Email address</td>
<td>Email address of the user.</td>
</tr>
<tr>
<td>Profile</td>
<td>Profile of the user.</td>
</tr>
<tr>
<td>Locked</td>
<td>Flag used to lock the user, to prohibit connections.</td>
</tr>
<tr>
<td>Is a contact</td>
<td>Is this user also a contact?</td>
</tr>
<tr>
<td>Is a resource</td>
<td>Is this user also a resource?</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that user is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the user.</td>
</tr>
</tbody>
</table>

Warning: User name
The user name must be unique.
Is a contact

- Check this if you want to create a Contacts to this user.
- This user will then appear in the “Contact” list.

Is a resource

- Check this if you want to create a Resource to this user.
- The user will then also appear in the “Resources” list.

Allocated asset

This section allows you to view all the equipment connected to the user in the form of a simple table.

Fig. 2: Allocated asset for the selected user

Each line of equipment is clickable and directs to the element screen.

See: Asset Management

Section Miscellaneous

Button Reset password

- This button allows to reset password to default password.
- Default password value is defined in Global parameters screen.
- Reset password button is available only for ProjeQtOr users.

Table 2: Users miscellaneous section fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Don’t receive team mails</td>
<td>Box checked indicating that the resource doesn’t want to receive mails sent to the team.</td>
</tr>
<tr>
<td>Comes from LDAP</td>
<td>Box checked indicating that the user information come from LDAP.</td>
</tr>
<tr>
<td>API key</td>
<td>Key string used by web service consumer.</td>
</tr>
</tbody>
</table>

Button Send information to the user

This button allows to send by email to the user the login information.
12.2 Resource

Concepts

- ProjeQtOr roles
- Profiles definition
- Stakeholder definition
- Resource function and cost
- Resource calendar
- Tab Profile

The resources of a project can be human or material. Resource availability is defined by assigning it to a project.

- Resources are needed for project planning
  See: Assignment section
- A resource can be a group of people
  or a fictitious resource with a FTE > 1
  See: Pool of Resources

![Fig. 3: Details area of the resources screen](image)

Description zone

Other section

- Allocations
- Assignment
- Resource planning
Fig. 4: Description field for creating a resource
### Table 3: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the resource.</td>
</tr>
<tr>
<td>Photo</td>
<td>Photo of the resource.</td>
</tr>
<tr>
<td>Real name</td>
<td>Name of the resource.</td>
</tr>
<tr>
<td>Users name</td>
<td>Name of user.</td>
</tr>
<tr>
<td>Initials</td>
<td>Initials of the resource.</td>
</tr>
<tr>
<td>Email address</td>
<td>Email address of the resource.</td>
</tr>
<tr>
<td>Capacity (FTE)</td>
<td>Capacity of the resource in Full Time Equivalent.</td>
</tr>
<tr>
<td>Max daily work</td>
<td>Maximum daily work for the resource.</td>
</tr>
<tr>
<td>Max weekly work</td>
<td>Maximum weekly work for the resource.</td>
</tr>
<tr>
<td>Calendars</td>
<td>Calendar defines the availability of the resource.</td>
</tr>
<tr>
<td>Profile</td>
<td>Default profile of the user.</td>
</tr>
<tr>
<td>Organization</td>
<td>The organization to which the resource is attached</td>
</tr>
<tr>
<td>Team</td>
<td>The team to which the resource belongs.</td>
</tr>
<tr>
<td>Phone</td>
<td>Phone number of the resource.</td>
</tr>
<tr>
<td>Mobile</td>
<td>Mobile phone number of the resource.</td>
</tr>
<tr>
<td>Fax</td>
<td>Fax number of the resource.</td>
</tr>
<tr>
<td>Entry date</td>
<td>Date to which the resource arrived. The start and end dates are taking into account in planning and reports.</td>
</tr>
<tr>
<td>Is a contact</td>
<td>Is this resource also a contact? If the resource is created from a contact, the function entered is retrieved on the resource screen.</td>
</tr>
<tr>
<td>Is a user</td>
<td>Is this resource also a user?</td>
</tr>
<tr>
<td>Is an employee</td>
<td>used for the humans resources module</td>
</tr>
<tr>
<td>is a student</td>
<td>The resource is a student</td>
</tr>
<tr>
<td>is outsourced</td>
<td>The resource is an outsourced</td>
</tr>
<tr>
<td>is manager of leaves</td>
<td>Allow absence management. Used for the humans resources</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that the resource is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the resource.</td>
</tr>
</tbody>
</table>

**Full Time Equivalent**

FTE stands for “full-time equivalent”. This is the number of hours worked by a single employee in a day.

- 1 FTE (full time equivalent)
- < 1 for part time working resource or variations of capacity
- > 1 for virtual resources or teams, pool of resource or variations of capacity

**Note:** If you want a resource pool of three people, the FTE capacity must be set to 3

**Max work**

- You can set a maximum value beyond which no charge can be entered.
- For example, being able to define that a user cannot enter more than 12 hours per day.
- You can set a limit per day and a limit per week.
- The resource will not be able to enter more than the number of hours authorized on its timesheets.

*See: Real work entry*
Field is a contact

- Check this if the resource must also be a Contacts.
- The resource will then also appear in the “Contacts” list.

Field is a user

- Check this if the resource must connect to the application.
- You must then define the User name and Profile fields.
- The resource will then also appear in the Users list.

Field is a employee

- Check this box if the resource needs to be linked to the human resources module.
- The resource will then also appear in the Environmental parameters list.

Concepts

- Allocations
- Assignment

Allocations to projects

This Zone allows to allocated the resources to the project.

- Click on + to allocate a new resource to the project.
- Click on to update an existing resource cost.
- Click on to delete the resource cost.

<table>
<thead>
<tr>
<th>id</th>
<th>project</th>
<th>profile</th>
<th>start date</th>
<th>end date</th>
<th>rate (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Project</td>
<td>Project Member</td>
<td></td>
<td></td>
<td>100</td>
</tr>
<tr>
<td>6</td>
<td>holidays</td>
<td>Project Member</td>
<td></td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>project one - maintenance</td>
<td>Project Member</td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Fig. 5: Resource assigned to the project
12.2.1 Variations in resource capacity

You can record dates (start and end) to indicate that the capacity (FTE) of your resource will vary during this period.

This allows you to reserve and enter additional working time (overtime) or to withdraw hours at standard capacity (recovery).

The resource will then enter its imputations, the exact value of its variable capacity for the given period. $1 + XX$ hours for the status of the day to go green.

The surcapacity of a resource is directly visible on the Gantt chart.

A thin red stripe overcomes the resource work allocation bars and you will find the exact capacity added at the end of the resource detail.

![Fig. 6: Variations in the capacity](image)

12.2.2 Management of surbooking periods

Surbooking in planning allows you to add extra work time on the standard capabilities of your resources to plan more projects that you will not process.

You can also subtract this work time to not plan the full availability of resources.

The resource will continue to report their charges normally, with no extra or reduced work time, to change the status of their day to green.

![Fig. 7: Variations in the capacity](image)

**Warning:** variable capacity and overbooking do not behave in the same way.

Variable capacity will be more used to control and record periods of actual overtime and the behavior of imputations will be adapted to this ability.

Overbooking is a way of planning in the future without interacting with the behavior of the working time of the resources.
12.2.3 Function and cost zone

This section allows to define functions and cost of the resource.

**update-resource-cost**

![Fig. 8: Function and cost zone](image)

**Main function**

- The main function allows you to enter the default functions that will be used in the assignments of the activities.
- A resource can have several functions and different costs depending on the function.
- A cost is proposed by default if you have entered the costs in the list of values - Functions.
- This cost can be modified at any time from the function table of the resource screen, or with the resource Update resource cost

**Resource cost definition**

- Allows to define the daily cost according to the functions of the resource.
- The daily cost can be defined for a specific period.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
<td>Function of the resource for the selected cost.</td>
</tr>
<tr>
<td>Cost</td>
<td>Daily cost of the resource for the selected function.</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date for the cost of the resource, for the selected function.</td>
</tr>
<tr>
<td>End date</td>
<td>End date for the cost of the resource, for the selected function.</td>
</tr>
</tbody>
</table>

**Field End date**

- The end date is set when a new resource cost is defined in the same function.
- The end date is the day before the start date in the new resource cost entry.

**Resource cost management**

- Click on + to create a new resource cost.
- Click on to update an existing resource cost.
- Click on to delete the resource cost.
Table 5: Resource cost dialog box fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
<td>Function to be selected.</td>
</tr>
<tr>
<td>Cost</td>
<td>Daily cost of the resource for the selected function.</td>
</tr>
<tr>
<td>Start date</td>
<td>Start date for the cost of the resource, for the selected function.</td>
</tr>
</tbody>
</table>

**Field Function**

The default value will be the main function.

**Field Start date**

Start date must be set when a new resource cost is created for the same function.

Table 6: Miscellaneous section fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Don’t receive team mails</td>
<td>Box checked indicating that the resource doesn’t want to receive mails sent to the team.</td>
</tr>
</tbody>
</table>

12.2.4 Incompatible resources

Two resources A and B are incompatible.

If A is scheduled at a given time, B can not be scheduled on the same day as for a load less than or equal to the remaining availability of To date,
that is, the minimum of [capacity of the resource-load already planned] for each incompatible resource and recipro-
cally with the relation is bijective.

**Example**

Example with two FTE resources = 1
Day x, A is scheduled 0.6 d so B can be scheduled only 0.4 d on all the activities on which A is scheduled

### 12.2.5 Support resources

![Assignment with incompatible resource](image)

If resource B is the resource resource of resource A, if A and planned at a given moment, B must also be automatically planned pro-rata indicated as employment rate in the definition of the support resource.

If A's support resource B is not available (in part or in full), we plan for A only the part that is available taking into account the employment rate.

The display of the scheduled load for the support resource, although it is not assigned to the activity, is visible on the detail of a right-click Gantt bar.

**Example**

Example with B support resource of A with a 50% employment rate

- Day x, A is available 1.0 d and B 1.0 d: A is planned 1.0 d, B is planned 0.5 d.
- Day y, A is available 0.5 d and B 1.0 d: A is planned 0.5 d, B is planned 0.25 d
- Day z, A is available 1.0 d and B 0.2 d: A is planned 0.4 d, B is planned 0.2 d

### 12.2.6 Others

**Allocated asset**

![Allocated asset](image)

This section allows you to view all the equipment connected to the resource in the form of a simple table.

Each line of equipment is clickable and directs to the element screen.
See: Asset Management

12.3 Pool of Resources

A pool is a group of resources that can work as any of the assigned resources.

The use cases for a resource pool can be many:

- When you have a group of resources that may work on same tasks, but you don’t know in advance who will work. For instance a maintenance team that may work on maintenance tasks and other project tasks.
- For macro planning.
- Define a poll for each group of resources (depending for instance on competencies).
- On first step, assign fake resources to the pools, and plan your project with the polls: you get a first draft of your project, even before knowing who will work on the project, and without needing to go to a very detailed level of tasks (it’s macro planning, you just have macro tasks).
- Then when you know who will work on the project: just replace the fake resource with real resources: you immediately get a realistic planning taking into account availability of real resources already booked on other projects. It’s still a macro planning, but realistic.
- Then you can draw you detailed planning, just adding sub-activities to your macro tasks, and assigning real resources to the lowest level activities: when you add assigned work, it is automatically subtracted from assigned work on the pool on the macro task, and gobil assigned work on the project is constant.

12.3.1 Planning

- You assign resources to the pool at a given rate for a given period.
- A pool can be allocated to projects like any resource.
- A pool can be assigned to activities like resources. The difference is that when you assign a pool, you don’t specify the rate but the FTE (Full Time Equivalent) assigned to the activity. It means the number of resources that can work at the same time on the activity.
- A pool does not have a specific capacity. Its maximum capacity is calculated from the capacity and the rate of the resources composing it.
- When planning a pool, availability of unitary resources already booked on other tasks is taken into account.
- When planning an unitary resource, availability already booked through the pool on other tasks is also taken into account (globally for all the resources of the pool).
Rate and FTE

A resource cannot be assigned on pools for more than 100% on a given period.

A resource, if assigned on 2 pools. It is the fraction of the FTE of the resource.

A resource with an ETP of 1, if assigned 50% on a pool, will only be scheduled at a maximum of 0.5 per day.

A 20% resource will only be scheduled up to 0.2 of its FTE per day…

Automatic decrement for assigned work

- When you assign a pool to an activity, and then assign a resource of the pool to the same activity, then assigned work on the resource is automatically subtracted from assignment of the pool.
- The same way, when you assign a pool to an activity, and then assign a resource of the pool to a sub-activity of this activity, then assigned work on the resource is automatically subtracted from assignment of the pool.
- When you assign a pool to an activity, and then assign the same pool to a sub-activity of this activity, then assigned work on the pool on the sub-activity is automatically subtracted from assignment of the pool on the parent activity.
- When deleting an assignment, the remaining job is reassigned within the pool.

**Important:** Limits of a pool of resources

A pool can not be a user and does not have a profile as it may not connect to the application.

A pool can not be a contact

A pool cannot be the responsible of an item

A pool can not be a user and does not have a profile as it may not connect to the application.

You can choose how the pool and its resources can be allocated and assigned. See: *Pool of resource allocation*
12.3.2 Aggregated resource

The aggregated resource allows you to choose a single resource from a resource pool. When you assign a resource pool to an activity, a check box appears: single resource. If you select single resource then you will have no FTE capacity to fill in but a busy rate on the activity. Check the box and confirm to close the pop up.

When the pool is allocate, the pool icon appears on the board.

If you chose the unique resource then the 1 number will be displayed on the icon.

Similarly, the function of the resource chosen from the pool is indicated in brackets.

Click on to edit the allocation.

The pop up opens again and this time you have the summary table showing you the resources of your pool.
and the dates each resource can or should finish the activity.

You must fill in the activity load to see the end dates of the pool resources.

Otherwise the message ‘not planned work’ appears instead of the dates.

Choose the appropriate resource by selecting the corresponding line and confirm.

Basic, ProjeQtOr will automatically select the fastest resource to complete the task.

The selected resource will then be the only one to be planned on this activity from the pool.
12.4 Teams

The team is a group of resources gathered on any criteria. A resource can belong to only one team.

Use for

- To allocate all team members to a project.
- To filter resource data in work, cost and planning reports.
- To set attachment, note and document visibility to the team.

Team members

List of the resources members of the team.

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
<th>closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>#10</td>
<td>web developer</td>
<td></td>
</tr>
<tr>
<td>#8</td>
<td>analyst B</td>
<td></td>
</tr>
<tr>
<td>#4</td>
<td>analyst A</td>
<td></td>
</tr>
<tr>
<td>#3</td>
<td>project manager</td>
<td></td>
</tr>
</tbody>
</table>

Fig. 14: Team members section

- Click on + to add one or more members to the team
- Use in the pop-up window to search for specific resources
- Click on to delete the member to the team

Button Allocate all team members of a project

- This button allows to allocate all team members of a project.
- The allocation dialog window will be displayed.
12.5 Material resources

It is possible to create a resource that is “material” so that it can be reserved with work. But this work will not add to the project. On the other hand, if this resource has a cost, it is added.

This material resource will be able to be planned just like a human resource with a capacity (ETP) of 1 that you will not be able to modify.

The human, overcapacity and overbooking fields are not available for this type of resource.

However, a hardware resource can have a supporting but unsupported resource or an incompatible resource. For example a trailer could support a truck. Or an automatic car may be incompatible with a resource that does not know how to drive this type of car.

A hardware resource cannot be part of a resource pool. Exclusively human.

12.6 Calendars

Concepts

- Resource calendar

This tool allows to define calendars.

- It allows to define exceptions to the default definition.
- In default definition, week days are days work and weekend days are days off.
• You can change the standard calendar or create other calendars by allowing any day of the week to be a holiday.

**Note:** Exceptions can be defined for the current year and the next years.

### Default calendar

A calendar named “default” is already defined. Days off defined in this calendar is displayed in Gantt, real work allocation and diary. By default, weekend days are indicated as non-working days and cannot be unchecked via calendars. You must go to global settings > work time section > Open day and select your choice (on or off) in the drop-down list opposite the day. The default calendar cannot be deleted.

A specific calendar can be created to define days off and work to a particular resource.

• It is possible to import exceptions definition of a calendar in another.
• You can also import the public holiday
• Existing exceptions of current calendar are not changed.

**Note:**

• The calendars are not linked.
• You have to re import the definition to apply changes.

### Bank Of OFF Days

Holiday bank definition that can be easily added each year.

Click on [+](image) to create a public Holiday

A Pop Up open and you can defined the Off day

**Week days off**

• By default, Saturday and Sunday are non-working days
• Check the boxes corresponding to non-working days if the default settings do not suit the structure of your company

**Year**

• Select the calendar year to create.
Year field

- Create the calendar from the specified year with all the features of the calendar called.

Button Import this year from calendar

- Copy exceptions of the selected year of the selected calendar into current calendar.

Calendar days

A calendar of selected year is displayed to give a global overview of the exceptions existing.

- In white: days work.
- In gray: days off.
- In red: exception days work.
- In blue: exception days off.
- In bold: current day.

Just click on one day in the calendar to switch between off and work day.

**Calendar on project**

This calendar is not cumulative with resource calendars and it does not have priority.

The schedule attached to the project is ideal when managing by duration and to be operated on activities without assigned workload.

If the workload exists over a period where the project calendar indicates unavailability, but the resource’s calendar has a calendar that indicates availability, then this resource will indeed be planned.
12.7 Clients

The client is the entity for which the project is set. It is generally the owner of the project, and in many cases it is the payer. It can be an internal entity, into the same enterprise, or a different enterprise, or the entity of an enterprise. The client defined here is not a person. Real persons into a client entity are called “Contacts”.

Fig. 16: Clients screen

Section Description

Other sections

- Attachments
- Notes

Table 7: Required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the client.</td>
</tr>
<tr>
<td>client name</td>
<td>Short name of the client.</td>
</tr>
<tr>
<td>Type of client</td>
<td>Type of client.</td>
</tr>
<tr>
<td>Client code</td>
<td>Code of the client.</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>The payment deadline is stated on the bill for this client.</td>
</tr>
<tr>
<td>Tax</td>
<td>Tax rates that are applied to bill amounts for this client.</td>
</tr>
<tr>
<td>Tax number</td>
<td>Tax reference number, to be displayed on the bill.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that the client is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Complete description of the client.</td>
</tr>
</tbody>
</table>
Address section

Full address of the client.

Projects section

List of projects related to the client.

Contacts section

Displays the names of client-related contacts.

![Contacts section](image)

You can create the contacts directly on the contact screen. But you can create the contacts directly into the contact section

- Click on to create the contact
- Click on to delete the contact

When you want to add a contact, the window with the existing list of clients is displayed. You can select or create a contact from this window, the information will be reflected directly in the contact screen.

Client quotation, client commands list and client bill list

These sections allow you to have a summary of the various financial documents concerning the client selected. You find the list of quotes, orders and invoices of this client in tables for easy reading

List of tickets

This section allows you to see all open tickets for the selected client.

**Note:** To display these sections, you must set the options “list quotes, commands and bills on client form” on yes in the global parameters but also in the user parameters.

*See: Global Parameters See: Users Parameters*
\section*{Client quotation}

\begin{tabular}{|c|c|c|c|c|}
\hline
name & date & untaxed amount & full amount & status \\
\hline
QF_001BF-554 & 01/22/2021 & 14 500,00 € & 17 400,00 € & done \\
\hline
Sum & & 14 500,00 € & 17 400,00 € & \\
\hline
\end{tabular}

\section*{Client commands list}

\begin{tabular}{|c|c|c|c|c|}
\hline
name & date & untaxed amount & full amount & status \\
\hline
Evol0023 & 01/22/2021 & 500,00 € & 600,00 € & recorded \\
\hline
\hline
Sum & & 500,00 € & 600,00 € & \\
\hline
\end{tabular}

\section*{Client Invoices list}

\begin{tabular}{|c|c|c|c|c|}
\hline
name & date & untaxed amount & full amount & status \\
\hline
Bill_001-0002-ABC & 01/22/2021 & 0,00 € & 0,00 € & recorded \\
\hline
Bill & 03/15/2012 & 0,00 € & 0,00 € & in progress \\
\hline
Bill March 2012 & 03/31/2012 & 2 400,00 € & 2 870,40 € & done \\
\hline
Bill for tests & & 13 500,00 € & 13 500,00 € & recorded \\
\hline
Sum & & 15 900,00 € & 16 370,40 € & \\
\hline
\end{tabular}

Fig. 18: Financial monitoring sections

\section*{List of tickets for this client}

\begin{tabular}{|c|c|c|}
\hline
Ticket & name & status \\
\hline
\#2 & Enter some quotes on filed names : error Message & assigned \\
\hline
\end{tabular}

Fig. 19: List of tickets for this client
12.8 Contacts

A contact is a person in a business relationship with the company. The company keeps all information data to be able to contact him when needed. A contact can be a person in the client organization. A contact can be the contact person for contracts, sales and billing.

Field Is a resource

- Check this if the contact must also be a resource.
- The contact will then also appear in the “Resources” list.

Field Is a user

- Check this if the contact must connect to the application.
- You must then define the User name and Profile fields.
- The contact will then also appear in the “Users” list.

See: Ressource Contact User
Section Allocations to project

Allows to allocate your contact to a project

see: Allocations

Section List of subscription for this contact

You can see the items followed by your contact in this section

<table>
<thead>
<tr>
<th>type</th>
<th>id</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Version</td>
<td>#7</td>
<td>WebApps V3.0</td>
</tr>
<tr>
<td>Project</td>
<td>#1</td>
<td>project one</td>
</tr>
<tr>
<td>Ticket</td>
<td>#2</td>
<td>Enter some quotes on files names : error Message</td>
</tr>
<tr>
<td>Ticket</td>
<td>#4</td>
<td>Performance down</td>
</tr>
</tbody>
</table>

Fig. 21: list of elements followed by your contact

Section Miscellaneous

if the box is checked, the contact will not receive the mails sent to the team
12.9 Providers

Allows to manage provider list.

Section Description

Other sections

• Attachments
• Notes

Table 8: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the provider.</td>
</tr>
<tr>
<td>Name</td>
<td>Provider name.</td>
</tr>
<tr>
<td>Type of provider</td>
<td>Type of provider.</td>
</tr>
<tr>
<td>Provider code</td>
<td>Code of the provider.</td>
</tr>
<tr>
<td>Payment deadline</td>
<td>The payment deadline is stated for this provider.</td>
</tr>
<tr>
<td>Tax</td>
<td>Tax rate applied for this provider.</td>
</tr>
<tr>
<td>Tax number</td>
<td>Tax reference number.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates that the provider is archived.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the provider.</td>
</tr>
</tbody>
</table>

Section Address

Full address of the provider.

Section Contact

Displays the names of provider-related contacts.
You can create the contacts directly on the contact screen.
But you can create the contacts directly into the contact section

• Click on + to create the contact
• Click on - to delete the contact
12.10 Recipients

The recipient is the beneficiary of bill payments. Recipients are mainly defined to store billing information.

Section Description

Table 9: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the recipient.</td>
</tr>
<tr>
<td>Name</td>
<td>Short name of the recipient.</td>
</tr>
<tr>
<td>Company number</td>
<td>Company number, to be displayed on the bill.</td>
</tr>
<tr>
<td>Legal notice</td>
<td>Legal notice for the recipient.</td>
</tr>
<tr>
<td>Tax number</td>
<td>Tax reference number, to be displayed on the bill.</td>
</tr>
<tr>
<td>Tax free</td>
<td>Flag to indicate that tax is automatically set to zero for this recipient.</td>
</tr>
<tr>
<td>Contact name</td>
<td>Name of contact for the recipient.</td>
</tr>
<tr>
<td>Contact email</td>
<td>Email of contact for the recipient.</td>
</tr>
<tr>
<td>Contact phone</td>
<td>Phone of contact for the recipient.</td>
</tr>
<tr>
<td>Closed</td>
<td>Flag to indicate that the recipient is archived.</td>
</tr>
</tbody>
</table>

Section International Bank Account Number

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank</td>
<td>Bank name.</td>
</tr>
<tr>
<td>International number (IBAN)</td>
<td>IBAN for the recipient.</td>
</tr>
<tr>
<td>Bank code (BIC)</td>
<td>BIC for the recipient.</td>
</tr>
<tr>
<td>National account number</td>
<td>Full account number defining the BBAN account code.</td>
</tr>
</tbody>
</table>

Section Address

Full address of the recipient.

12.11 Organizations

Management of organizations

- Management of organizations allows to edit the structure of the company in the frame of organizations (Departments, Units, Location, . . .)
- The organization summarizes the data of the projects in progress for the organization.

Depending on the profile, you can limit the visibility of resources to people in the same organization or team as the current user.
## Section Description

### Other sections

- Current project
- Linked element
- Attachments
- Notes
- Organization

### Table 10: Required fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Id</td>
<td>Unique Id for the Organization.</td>
</tr>
<tr>
<td>Name</td>
<td>Short name of the Organization.</td>
</tr>
<tr>
<td>Organization type</td>
<td>Type of organization.</td>
</tr>
<tr>
<td>Manager</td>
<td>Manager of organization.</td>
</tr>
<tr>
<td>Hierarchy</td>
<td>list of parents organizations.</td>
</tr>
<tr>
<td>Parent organization</td>
<td>parent organization.</td>
</tr>
<tr>
<td>Display the structure</td>
<td>Displays the structure of the selected organization in a popup.</td>
</tr>
<tr>
<td>Show idle organization</td>
<td>Show closed organizations in the structure display.</td>
</tr>
<tr>
<td>Closed</td>
<td>Box checked indicates the organization is archived.</td>
</tr>
<tr>
<td>Closed dates</td>
<td>Displays the closing date and time of the organization.</td>
</tr>
<tr>
<td>Description</td>
<td>Description of the organization.</td>
</tr>
</tbody>
</table>
Display the structure

Click on the button to open a pop-up which will display in a more graphic way the structure of the organization you have selected.

![Fig. 23: Structure display](image)

Project Synthesis

![Fig. 24: Project financial synthesis](image)

This section displays a summary of the costs recorded on the projects related to the selected organization.

Projects of organization and its sub-organizations

In this section you will find the list of projects and sub-projects linked to the selected organization.

A button allows you to display or hide closed organizations.
Linked resources

This section allows you to see the resources attached to the selected organization.

- Click on + to add a new resource in the organization
- Click on - to delete a resource of the organization
- Click the allocate all organization members to a project button to assign all of an organization’s resources to a project.
- The project assignment pop-up opens and allows you to choose your resources.

See: Allocations section

Linked elements

This section allow you to linked any element of ProjeQtOr to the selected organization.

See: Linked Elements section

Attachments

This section allows you to attach elements external to the selected organization. Whether documents or url addresses.

See: Attachments section

Notes

This section allows you to add notes on elements linked to the selected organization

See: Notes section
12.12 Humans Resources

**Important: Documentation**

The human resources module was developed by an external contributor SALTO CONSULTING. The explanations below have been taken from the instructions, provided in French only, with the module. *French documentation on the implementation of regulated absences is available on the download page.*

The HR module was created in order to be easily adapted to French law, but it can be fully parameterized according to the rights of any country.

This section allows to manage the society’s Humans Resources.

This system comes in addition to the standards of the management of absences.

Used to manage absences that must be validated, controlled and have values to be regulated according to French law.

**Start to define the:**

- *employee and the manager*
- *Leaves types*
- *Employment contract type*

You can choose the leave entitlement standard for each type of contract. The employee may reserve periods of leave of absence according to his rights.

**you will be able to manage:**

- The quantities acquired over a period of time.
- The period of validity of a quantity of absence.
- The possibility to take earlier absences over the period being acquired.
- The number of days before and after which the absence request can be made.
- Define specific acquisition rules.
- Validate or reject an absence request.

**Note:** A project dedicated to these regulated absences is created and makes it possible to store the requested days of absence as planned time and the days of absence validated as working time thus making it possible to integrate these absences in the planning.

**Note:** The calculation of the number of days represented by absence is done on the basis of working days.

The working days are defined in *Global Parameters* and *calendar* associated with employee: holidays, non-working days.
12.12.1 Environmental parameters

The properties below is visible only when the HR module is enabled.

**Employee**

An employee is a Resource whose property “is an employee” is checked in the screen resources.

Once the resources are saved as employees, you can manage them from the employee screen. You find the same fields of description as the resources. In this section, the employee can see the person who manage its leaves periods.

Each time an employee is defined, a default contract is automatically created on the entry date of the resource if it is filled in. If the date is not specified, the current date on creation is retrieved.

**Important:** A calculation error may occur if the entry date is not entered. In this case, on the resource screen:

1. uncheck the box is an employee.
2. fill in the date of entry,
3. save,
4. check again is an employee.

The calculation of the rights will then be reset with the new date.

**Employee manager**

A manager is a resource whose properties “is an employee” and “is absence manager” are checked.

The management of an employee is dated, which allows to change manager or temporarily delegate management to another manager (absences).

A manager must be an employee.

An employee manager can make absence requests in lieu of employees.

He can validate or reject employee absentee requests that he manages.

**Important:** The absence manager manages the absences of the employees attached to him. He does not have access to the module settings. He does not have an administrator role.

**Leave system Administrator**

He is the administrator of the Leave System. He will define Leave Types, Contract Types, ...

In order to be able to manage and configure the human resources module after its installation, you must access the global parameters.

A special additional HR section allows you to define the administrator of absences and regulated rights.

If an employee does not have a manager, the administrator of the Regulated absence module acts as manager.

The administrator is obligatorily a leave manager

**Warning:** When a resource is no longer “used”, all the elements of the Regulated absence module are deleted by the module:

- Assignments to activities associated with type of absence
Fig. 26: Box “is an employee” and “is manager of leaves” is checked

Fig. 27: Manager Screen
- Time spent generated following validated absence requests
- Planned times generated due to absence requests not yet validated
- Absence requests
- Acquired rights
- Contracts
- Links with his managers

**Leaves Dashboard**

A dashboard is available to absence managers

The filter bar allows you to filter the information presented in the dashboard

Leaves Calendar displays information based on filters applied by managed employee

The day tells you that the request was made late

You can export the calendar into Excel format

**Synthesis**

The synthesis is also displayed according to the filters selected beforehand, and gives the number of days remaining to be taken by type of leave and managed employees
Leave period to process

In this section, appears the list of absences to be processed, that is to say under the “recorded” status

12.12.2 Leaves types

This part allows you to create the types of absences regulated.
A corresponding activity (= name of absence type) is created on the project dedicated to absences management.
All employees (resource registered as employee) are assigned to this activity

![Leaves types screen](image)

Fig. 30: Leaves types screen

- You can choose the workflow that will be attached to human resources
- You can define who received an internal alert or an email on the creation, the update, the delete and/or the treatment of the leaves

See also:
More detail about **Contractual values**, see **Earned rights**

12.12.3 Employment contract type

This section allows you to create the different contracts that are in effect in your company.
The types of contracts allow to have rules of acquisition of different regulated absences according to the contract of employment of an employee.
You can only have one type of default contract

**Note:** example in France

- Executive contract = No acquisition rule
- Full-time frame contract = RTT
- Part time frame contract = No RTT
- etc.

See also:
More detail about **contractual values**, see **Earned rights**
Parameters for earned leave rights

- In this section you can define which types of regulated absences will be attached to this type of contract.
- If you have created several types of regulated absences and attached them to all your contracts (check box on default or on everything), these types will be visible in this section.

If you are missing types of absences, you can create them from this screen:

- Click on the + button
- A pop up opens and proposes to fill in the same fields as on the screen of the types of regulated absences

See also:
More detail about Specific values, see Earned rights
Configuration of special leave rights

Special acquisition rules are rules that can not be expressed with the values of the standard acquisition rules.

**custom earned rules:**

Define the special acquisition rule based on the attribute values of a ProjeQtOr entity.

This rule follows the vocabulary of the SQL language.

**where clause**

Condition of application of the special right

this clause follows the vocabulary of the SQL language.

**Important:** for help with the SQL functions you can use, click on the section bar help on clause input.

A new part appears and proposes drop-down menus with prerecorded SQL queries.

**Quantity**

Number of additional acquired days calculated following the application of the special acquisition rule.

This rule follows the vocabulary of the SQL language.

**Leave type**

The type of regulated absence to which will be attached, the rule of special absence.
Employment contract end reason

Allows you to record the different types of end of contract.

Note: Why end a contract?

• Resignation
• Change of the status (non management -> management)
• Change of the quotient (100% -> 80%)
• Going to retire...

These different reasons may lead to changes in the rules governing the acquisition of the rights of absence.
12.12.4 Leave Rights earned

On this screen, you can see your leaves rights earned since your contract’s beginning.

![Fig. 34: Leaves rights earned](image)

The start and end dates correspond to the period on which the days of leave are calculated.

The numbers of the acquired and left days to each types

If your holidays over the reference period and according to the type of leave, then the checkbox “closed” is validated. You no longer have this type of holiday available and can not ask any more.
12.12.5 Employment contract

You can see the details of the contracts and which employee is attached to them.

Regulated leaves parameters

The regulation of absences is based on the rights to take absences acquired over a given period.
It is therefore based on values to be given to attributes of regulation according to the type of absence (ex: Paid leave, RTT, sick leave, legal leave, etc.), and the type of contract associated with the employee (Ex: Full time, Part time).

General acquisition of rights

When you create a Employment contract type, you have several contractual values to fill in.

**Warning:** Check box “On default” and “on everything”

- If you check on “default” the entered values will be reflected on the default contract type only.
- If you check on “all” the entered values will be on all contract types.
- These values can not be changed after they are saved.

For any change, the creation of a new type of absence is necessary.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>start month period</td>
<td>month starting the reference period of paid holidays in your country.</td>
</tr>
<tr>
<td>start day period</td>
<td>day starting the reference period of paid holidays in your country.</td>
</tr>
<tr>
<td>period duration</td>
<td>The length of the period gives the number of months over which your reference period will extend.</td>
</tr>
<tr>
<td>quantity</td>
<td>the number of days of leave that will be paid during the period reference.</td>
</tr>
<tr>
<td>period of leave rights earned</td>
<td>the number of months before you can use your acquired days.</td>
</tr>
<tr>
<td>integer quotity</td>
<td>Possibility of rounding up earned leave.</td>
</tr>
<tr>
<td>validity duration</td>
<td>the period during which the days of leave acquired will be retained. Beyond this period the leave is lost.</td>
</tr>
<tr>
<td>is justiable</td>
<td>defines if the absence must be the subject of a request for proof</td>
</tr>
<tr>
<td>can be anticipated</td>
<td>If leave can be taken before the vesting period</td>
</tr>
<tr>
<td>max delay for retroactive absence (days)</td>
<td>allows, or not, to record absences on paid leave after being actually absent.</td>
</tr>
<tr>
<td>max delay for anticipated absence (days)</td>
<td>Number of days before which an application can be made</td>
</tr>
</tbody>
</table>
Fig. 36: Contractual values for the leaves type

Note: In France, an employee is entitled to 2 and a half days of leave per month of actual work at the same employer, wether 5 weeks per full year of work (from June 1st to May 31st)

Specific acquisition of rights

To integrate specific rights of absence, the concept of special rights has been put in place.

Usable entities are:

- Absences
- Employees
- Contracts
- Acquired rights

Fig. 37: Contractual values for the leaves type
### 12.12.6 Absence recording

**Leaves Calendar**

Regulated absences are done either by the employees or by their manager.

Absences can be recorded from the leaves calendar.

![Leaves calendar](image)

**Fig. 38: Leaves calendar**

To record or change your absences, double clicking on an existing date or absence.

A pop up opens to display the properties of an absence (date and type of absence ...)

The type of absences visible in the drop-down list depend on those recorded in the employee’s contract.

![Leaves attributs](image)

**Fig. 39: Leaves attributs**

After validation, the holiday appears in the calendar.

The manager (and / or administrator) can validate or not, the leave of the employees.

When the leave period is rejected, it is impossible to add a new leave on these same dates.

The color of the holidays will change according to the validation.
Leaves Periods

Regulated absences are done either by the employees or by the manager of leaves. Absences can be recorded from the leaves Periods screen.

![Leaves periods](image)

Fig. 40: Leaves periods

On this screen, you can save, edit, delete a holiday request, as in the holiday calendar. The employee can record and submit his leaves. Only the Manager of leaves and Leaves system administrator can change the status of a request for the absence of subject to accepted or rejected.

12.12.7 Leaves System

habilitation

Allows you to restrict or restrict the view of Human Resources module screens to employee profile types. They can view - read - create - update and/or delete access

Workflows and values

- When you install the regulated absences module, a workflow for absences is created.
- You can edit and delete it like any other workflow.
- A new section is available in the list of values for the reports.
- The regulated leaves section allows you to determine the behavior of the absence workflow states.
- It can also trigger an alert and/or send mail

Leaves Status

With the activation of the HR module, an absence workflow is added with 3 states, which are accessible and customizable in the automation systems.

- Recorded
  
  Creation status. In this state all the data of the absence can be modified.

- Submitted
  
  This status means that the employee has sent his leave request to his hierarchy for validation.
Validated
State that only the manager and the administrator of the module can be enabled.
When the leave request is validated or refused, the status of the request cannot be changed
Cancelled
State that only the manager and the administrator of the module can be enabled.
The number of days the absence represents are not taken.
When the leave request is validated or refused, the status of the request cannot be changed

12.12.8 Skill Management

Skills management will make it possible to inform the skills of each resource with a very specific skill level. You can then search for the appropriate resources for an activity at a given time for the skill of your choice.

Skills

Record the different skills that you find in your field of activity.

Fig. 41: Skill management screen

Skills can be split into sub-skills without level limitation.
The “display the structure” button allows you to display the SBS (skill Breakdown Structure) of the selected skill with an indentation of the sub-skills for better visibility.

Skills level

The Skill Levels screen allows you to save levels for each skill.
For example beginner, average, good, expert…
You then define for each of the resources the skills and the level associated with it.
An icon can be associated with the skill level. ProjeQtOr has provided icons for a maximum of 4 levels.
You can create your own icons and place them in www/projeqtorVX.xx/view/icons.
Fig. 42: SBS - Skill breakdown structure

Fig. 43: Skill level screen
Skills resources

When skills and skill levels are defined, you can associate them with your resources.

Fig. 44: Resources screen with several skills and skill levels

Resources with skills will appear on the skill search screen.
Hierarchical skill

On this screen you see all the skills and their hierarchy. This is the complete structure of the structure for all skills combined.

You can move and rearrange them using the handles in front of the names.

The SBS (skill breakdown structure) breakdown indices are dynamic and will be modified according to the ascending order they occupy.

![Hierarchical skill screen](image)

**Fig. 45: Hierarchical skill screen**

Search by skill

When you need a particular skill over a period of time, the skill search screen displays all the resources.

Select the skill you need with a skill level (optional).

The start and end dates are pre-filled and correspond to the current date for a period of one month.

If you choose a particular project, then the validated dates of the project are retrieved.

The corresponding resources are displayed and indicate their availability over the periods entered.

Click on \( \rightarrow \) to assign a resource to the project of your choice.

Click on \( \square \) to modify the assignment of the resource on the project.

![Search by skill screen](image)

**Fig. 46: Search by skill screen**

**Tip:** The calculation of the relevance rate takes into account the resource parameters (FTE, planning, multi-project, etc.) and the level of skill requested.

The relevance rate is defined using a simple calculation. Availability rate x competence rate / 100.
Filters

You can search skill with or without skill level.

You can display only the resources corresponding to the selected skill.

Choosing the skill level will allow you to display a more relevant availability rate.

When you select a project in the display filters, its start and end dates are retrieved from the start and end fields of availability.

Sort order

You have the option of ranking the rates in ascending order for each skill line.

You can choose to sort by Global values (availability x skill), availability value or skill.

Sorting will be done for each skill line.

Availability

You can view resource availability for a given skill in different ways.

globally over the requested period:

Per week over the requested period:

Monthly over the requested period:
### Skill Weekly Availability

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>2022-23</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.3</td>
<td>4</td>
</tr>
<tr>
<td>2022-23</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>2022-23</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.3</td>
<td>4</td>
</tr>
</tbody>
</table>

Fig. 50: Skill weekly availability

### Skill Monthly Availability

<table>
<thead>
<tr>
<th>Year</th>
<th>2022-06</th>
<th>2022-07</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>2022-06</td>
<td>0</td>
<td>4.3</td>
</tr>
<tr>
<td>2022-06</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>2022-06</td>
<td>0</td>
<td>4.3</td>
</tr>
</tbody>
</table>

Fig. 51: Skill monthly availability
On an activity

You can have a decision support directly on the activities.
You select the skills needed on the activity. Save them in the Details tab > Section skill for activity.
The skills are elements who can be copied in the copy options of an activity.

<table>
<thead>
<tr>
<th>Skills for activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>skill</td>
</tr>
<tr>
<td>PHP 7</td>
</tr>
</tbody>
</table>

Fig. 52: Skills for activity

Once the skills are linked to the activity, in the assignments table, click on + to add a resource.
Click on the magnifying glass to access the skills table

Fig. 53: Skill for activity

You have access to the skills table.
Click on the resource you want to assign to the activity.
Fig. 54: Resource search by skill
13.1 Plug-ins management

Plug-ins add non-generic features to ProjeQtOr.

You will find the complete list of plugins in the ProjeQtOr online store

- The section **Installed plugins** lists the installed plug-ins.
- The section **Available plugins** allows to manage local plug-ins

**Available plug-ins list**

Fig. 1: Plugin management screen

- **Installed plug-ins**

<table>
<thead>
<tr>
<th>name</th>
<th>description</th>
<th>version</th>
<th>displayed date</th>
<th>displayed/compatible since</th>
</tr>
</thead>
<tbody>
<tr>
<td>screenCustomization</td>
<td>Customization of screens</td>
<td>V5.3</td>
<td>01/25/2021</td>
<td>V5.4.4</td>
</tr>
<tr>
<td>translationApplication</td>
<td>Translation Application</td>
<td>V1.0</td>
<td>01/25/2019</td>
<td>V5.5.0</td>
</tr>
</tbody>
</table>

- **Available plugins (local)**

`plugin` (zip files) are searched in directory `/plugin`

<table>
<thead>
<tr>
<th>file</th>
<th>date</th>
<th>size</th>
</tr>
</thead>
<tbody>
<tr>
<td>importProject_V1.0.zip</td>
<td>01/25/2021</td>
<td>231 KB</td>
</tr>
</tbody>
</table>

Fig. 2: Add a plugin

- The **Browse** button allows to select plugin file .zip.
- The file will be uploaded and it will be added in plugin-ins list.

**Plug-in installation**

- Click on + to install plug-in.
• Click on 📝 to display the description of plug-in.

• Click on 🗑️ to remove the plugin from the installation table.

• Plug-in will be deployed during installation.

• The result of deployment will be available in the log file (See: Administration Console).

• Plug-in is removed from the list after installation.

![description of plugin (metadata)](image)

- **description**: `importProject`
- **comments**: `Le plugin importProject`
- **unique code**: `100012`
- **Installation SQL script**: `importProject.sql`
- **version**: `1.0`
- **compatible since version**: `V8.3.6`
- **reload after install**: `1`

Fig. 3: Description plug-in
14.1 Glossary

**Action**
Stocks are used in anticipation of risk. They serve to reduce the risks.

The analysis of these risks consists in defining actions. There are two types of actions:
- Preventive action aimed at removing the risk or
- Corrective action that has been earned on the occurrence of a risk

**Activity**
An Activity can be likened to the key stages of the project: it is the skeleton of your project that organizes the main phases of a project
- They have a start and end date
- They designed for the planning phases of a project
- They serve to organize the milestones and tasks of a project
- They can be prioritized and have sub-activities

**Administrator**
An administrator is a user with “Administrator” profile. Has a visibility over all the projects.

**Agile methods**
Agile methods are groups of practices of piloting and realization of projects. They originate from the Agile manifesto, written in 2001, which uses the term ‘agile’ to refer to multiple existing methods

**Client**
The client is the person on whose behalf the work is carried out. It is the sponsor and the one who bears the financial cost. The client is a natural or legal person, public law or private law

**Closed**
Closed is a micro state in ProjeQtOr
- Flag to indicate that item is archived.
- Item will not appear in lists any more
- You can display them again by checking the box “Show closed items”
- You can setting their default display in the user’s Parameters

**Contact**
A contact is a person in a business relationship. A contact can be a person in the customer organization. Used as contact person for contracts, sales and billing. Contacts management is performed on Contacts screen.

**Coordinator**
Coordinator is the person who oversees and reports. It corresponds to the accountable in the RACI method.
In ProjeQToR, the responsible is the person who works.
CRON

cron is a program that allows users of Unix systems to automatically execute scripts, commands or software at a date and time specified in advance, or according to a cycle defined in advance.

CRUD

It is an English computer acronym for Create, Read, Update, Delete. It designates the four basic operations for data persistence, in particular the storage of information in a database.

Decision

A good decision helps move towards the end goal. It is in the general interest, the interest of the greatest number as well as in the interest of the project.

da good decision is a suitable solution, put in place with the tools and resources available at a given moment.

Description

• This field allows to define a description on an item.
• Depending on the element type, name of field can be different.

See also:

GUI behavior

• It is possible to define that description field is mandatory.
• The element type screens allow to set this parameter to several elements.
• More detail, see: Behavior section.

Done

Done is a micro state in ProjeQtOr

• Flag to indicate that item has been done.
• Date of done is saved.
• A result can be specify.
• It is possible to require a result when the status change to “done”.

External reference

• This field allows fill free input.
• It uses to refer information from an external source.
• External reference value can be put in email message with externalReference special field.
• More detail, see: Administration

FTE

Full Time Equivalent The full-time equivalent (FTE) is a unit of measurement: a workload or more often, a capacity for work or production.

Gantt chart

Description The Gantt chart is a tool used in scheduling and project management and allowing to visualize in time the various tasks composing a project.

It is a representation of a connected graph, evaluated and oriented, which makes it possible to graphically represent the progress of the project.

In Progress

• Flag to indicate that item has been taken into account.
• Date of handling is saved.
• This generally means that responsible has been named.

Id

• Every item has a unique Id, automatically generated on creation.
• Id is chronologically allocated, for all kind of items (Activity, Ticket).
• Id is shared for all projects and all types (i.e. incident) of the same kind items (i.e. Ticket).

Incident
Any event that is not part of the standard operation of a service and that causes, or may cause, an interruption or decrease in the quality of that service

Issuer
An issuer is a user who created the item.

See also:
Creation information
The issuer name and creation date of an item are displayed in the Creation information zone.

Key Performance Indicator (KPI)
Indispensable to the project manager, an indicator makes it possible to evaluate a situation and to make an adapted decision. Key performance indicators measure the performance of your projects. You choose them together with your team. They must be simple, reliable, easily understandable by all and relevant.

If the indicator is green, all is well, you will need to continue the actions in progress to maintain this good result. If the indicator is red, then you must take the necessary corrective action. If the indicator is orange, it should be monitored.
• Each indicator is associated with a specific goal.
• An indicator necessarily implies a decision.
• An indicator is never silent.
• A relevant indicator must be simple

Objective
An objective is a goal to achieve by carrying out different tasks. For example, building a new plant in order to produce more and meet the growing demand. It is essential to precisely define the goal(s) to reach so that you and your team know where you are going. A good goal must be SMART.

Origin
• Determines the element of origin.
• The origin is used to keep track of events (ex.: order from quote, action from meeting).
• More detail, see: Origin field.

PERT chart (Program Evaluation and Review Technique)
provides a practical method and means to describe, represent, analyze and logically follow the tasks and the network of tasks to be carried out as part of an action to be undertaken or to be followed. The PERT diagram represents the work schedule by a dependency graph. His network formalism focuses on the interconnection of the tasks to be performed and the calculation of critical paths.

An important difference with the Gantt chart is the conventional time scale of the PERT chart which represents a sequence of tasks and not durations or a calendar.

Project
A project is defined as a finite set of activities and actions undertaken in order to meet a defined need within a set timeframe and within the limits of an allocated budget envelope

See: project

Project Leader
A project leader is a resource allocated to a project with a “Project Leader” profile. person responsible for leading a project and managing its smooth running. In general, he leads a team during the duration of the various projects for which he is responsible.

Project manager
A project manager is a resource defined as the manager on a project.
See also:

**Accelerator button**

This button allows to set current user is the project manager. More detail, see: *Assign to me button*.

**Project team**

All *resources* allocated to a project.

**Quotity**

A quotity is the amount of a quota. This term of right refers to the fraction of a whole, a proportional sum in a share. A quota can be to pay or to collect.

**RACI**

R - Responsible - he realizes A - Accountable - he oversees and reports C - Consulted - he advises I - Informed

- he is informed

In projeQtOr the accountable is defined as *coordinator*

**Reference**

- Reference is displayed after id, automatically generated on creation.
- Reference depends on defined format, see under “Format for reference numbering” section in *Global Parameters* screen.
- Default format defines a specific numbering format that can provide unique numbering sequence for each project and/or each type of items.

**Requestor**

A requestor is a *contact*. Used to specify the requestor for ticket, activity and requirement. Only contacts allocated to the selected project can be a requestor.

**Responsible**

A responsible is a *resource* in charge of item treatment. Usually, the responsible is set when the status of the item is *In progress*. Only resources allocated to the selected project can be a responsible.

see also:

**GUI behavior**

It is possible to define that responsible field is mandatory on In progress status.

The element type screens allow to set this parameter to several elements.

More detail, see: *Behavior section*.

**Set automatically the responsible**

It is possible to set automatically the responsible.

More detail, see: *Global parameters*

**Accelerator button**

This button allows to set current user is the responsible.

More detail, see: *Assign to me button*.

**Access rights**

It is possible to define a combination of rights to permit access for elements the user is responsible for.

More detail, see: *Access modes* screen.

**Resource**

- Human or material resource involved in the projects.
- It is possible to define the resource availability to the projects.
• Resources management is performed on the Resource screen.

Result
• A result is a description of the treatment of an item.
• Usually, the result is set when the status of the item is done.

See also:

GUI behavior
It is possible to define that result field is mandatory on done status.
The element type screens allow to set this parameter to several elements.

Risks
The risk is a hazard, an undesirable event whose appearance is not certain, resulting in the possibility that
the project does not achieve the objectives of:
• Completion date
• Costs
• Specifications (techniques, quality, performance, reliability …)
• Others: Image of the company, environment, legal, social …
The risk can put in danger the project, deviations from forecasts the making it unacceptable or totally unac-
ceptable. We distinguished the risks exogenous (external at now ; suppliers, evolution regulation, political,
social, meteorology…)

Quality
The Quality approach consists in finding the match between the answer to the needs of the project, the correct
expression of these needs by adequate specifications which go through a careful listening of the customer,
and a realization answering the expression of the needs.

User
• User is a person who logs into the application.
• User profile define general access rights. But it does not necessarily give access to project data.
• Users management is performed on the Users screen.

SLA
A service level agreement (SLA) is a contract between a service provider and its customers that documents
the services that the provider will provide and defines the service standards that the provider is required to
meet.

SMART
it is an acronym or mnemonic device that stands for ‘Specific, Measurable, Acceptable, Realistic and Tem-
porally Defined’. These terms apply mainly to the determination of the most suitable objectives in order to
complete a given project. Setting appropriate targets will help accelerate project completion and improve its
chances of success.

Status
• The status determines the life cycle of items.
• It defines the progress of the treatment of the item.
• Item is linked to a element type, element type is linked to a workflow.
• A workflow defines the possibility to go from one status to another one, more detail, see: Workflow.

Ticketing
Ticketing is an anomaly tracking system : bugs, incidents, problems, requests…

WBS
• Work Breakdown Structure.
• Hierarchical position of the element in the global planning.
• WBS also defines the index of an item in the WBS structure. This index is calculated like paragraphs in a word document.

**Work**

• **Assigned**: The work initially planned for this resource to the task.
• **Left**: Assigned Work – Real Work
• **Real**: Sum of work done by this resource to the task.
• **reassessed**: Real Work + Left Work

**Warning**: Except for some planning modes, the planning does not take into account the validated load but that affected.

**Workflow**

A workflow is the representation of a series of tasks or operations carried out by a person, a group of people, an organization, etc.

The term flow refers to the passage of an element, from one stage to another.