

# Worklog Reports Concepts

## Overview

**Worklog Reports** are all based on the same mechanism of aggregation. You will have to defined :

- the Report Type (List of Aggregation Criteria)
- the Criteria to use to filter Worklogs  
*Note that filtering will be applied only the filter Criteria is also an Aggregation Criteria*
- and which view to use

## How worklogs are displayed

Different views are predefined :

- **hierarchicView** : Providing a Hierarchical display of aggregated data with expand and collapse features.
- **flatView** : Providing a classical display.
- **excelView** : Similar as **flatView** but without graphical rendering, used to export to Excel (undecorated HTML file).

Using **Flat Views**, the reports may display Issues with Sub-Tasks.

In such cases, the default behavior of the Flat View is to display the values associated to leaf of the aggregation tree, assuming that each parent node is just a calculation of leaf's values.

But, the both (Issues and Sub-Tasks) are able to have logged Work, and then the value displayed in Flat View is only the Sub-Task's Spent Time.

To avoid to display only the Sub-Task's Spent Time and be able to see Issue's Spent Time, a new parameter has been introduced in Reports : the **Flattened Level** (let me know if you find a best term !).

The **Flattened Level** expressed the depth of node to flat when displaying the Flat View.

By default, all nodes are flattened. For example, if your report provides an aggregation based on :

- Category
- Project
- Issue

and the displayed Issues have sub-task, you will be able to force the view to flat node only on the 3 first nodes.

Hopping that this explanation is comprehensive.

## How Worklogs are filtered

Each report is built with a filtered list of Worklogs.

The filter is possible with below criteria.

Criteria	Type	Description
Start Date	Absolute or Relative Date	Filtered Worklog have to be equal or after this date (1)
End Date	Absolute or Relative Date	Filtered Worklog have to be equal or before this date (1)
Category	Integer	Project Category Id. to use in filtering (2)
Project	Integer	Project Id. to use in filtering (2)
Developer	User or Group Name	Developer (Worker or author) having entered the Worklog (2) (3)

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(1) **Date Criteria** support **Relative Dates**.

(2) **At least one of this criteria** have to be selected. Selected values have to be valid for **Category** and **Project**.

(3) If a **Group** is specified, the filter will take in account each Group's members.



Since Minyaa 3.3.2, the Worklog are now also filtered depending on permissions

- Is the current user allowed to browse the Project (**BROWSE\_PROJECT** Permission)
- Is the current user allowed to browse the Issue (Issue Securities levels)
- Is the current user allowed to browse the Worklog (**BROWSE\_WORKLOGS** Permission)

## Relative Date Operations

### Supported Relative Date Operations

Date criteria may be filled with a relative Date format. The format follows below codification :

Code	Value Description
NOW	Today (Current Date and Time)
DATE	Date passed in parameter
BOW	Begin Of Week
EOW	End Of Week
BOM	Begin Of Month
EOM	End Of Month
BOQ	Begin Of Quarter
EOQ	End Of Quarter
BOS	Begin Of Semester
EOS	End Of Semester
BOY	Begin Of Year
EOY	End Of Year
+1D	Day
+1B	Business Day
+1W	Week
+1M	Month
+1Q	Quarter
+1S	Semester
+1Y	Year

### Samples Relative Date Operations

This Relative Date engine is used in different part of Minyaa (Timesheet, Report Configuration), and may evaluated against a passed date or the current date. The supported syntaxes can give following samples :

Sample Operation	Description
BOW	1st day of current week
BOW+3D	Thursday of current week
BOW(+3D)	1st day of the week of (Today + 3 Days)
NOW	Today

NOW+2D	Today + 2 days. Can also defined "+2D"
+3B	Today + 3 Business Days (Saturday and Sunday are ignored)
+15D+0B	Today + 15 Days and the date is aligned on next Business Day (if resultant date is not s Business Day)
+2W-0B	Today + 2 Weeks and the date is aligned on previous Business Day (if resultant date is not s Business Day)
EOY(BOQ(EOM(NOW-12W)+3D)-3Q)	This formula executed for March 14' 2013, gives December 31' 2012.  You can mix all these functions if is needed ...

## How Worklogs are aggregated

All provided reports are based on the same aggregation mechanism.

Each report performs its aggregation depending on the passed **Report Type**.

The **Report Type** may be defined by different ways :

- Predefined, depending on each report and selectable during the Report Configuration,
- Built using a sequence of **Aggregation Criteria** (See Workload Report by Worklog Type)

Available **Aggregation Criteria** are proposed in the **Workload Report by Worklog Type** report, but can also be manually specified in the URL of the Report.

It is also possible to define/restrict default combination of aggregation (See ).

## Which Available Aggregation Criteria are available

Minyaa provides different **Aggregation Criteria** (or *ReportElement*) for most of fields :

Code	Report Element Description
CA	Issue's Category
PR	Issue's Project
AS	Issue's Assignee
RS	Worklog's Author (Human Resource, Worker)
IS	Any Issue linked to the Worklog
IS_TS	Issue's Time Spent
IS_TE	Issue's Time Estimate
IS_OE	Issue's Time Original Estimate
IS_R	Issue's Reporter
IS_Cx	Create Date  Supported code are : <ul style="list-style-type: none"> <li>• IS_CD : by Day</li> <li>• IS_CW : by Week</li> <li>• IS_CM : by Month</li> <li>• IS_CQ : by Quarter</li> </ul>
IS_Ux	Update Date  Supported code are : <ul style="list-style-type: none"> <li>• IS_UD : by Day</li> <li>• IS_UW : by Week</li> <li>• IS_UM : by Month</li> <li>• IS_UQ : by Quarter</li> </ul>

IS_Dx	<p>Due Date</p> <p>Supported code are :</p> <ul style="list-style-type: none"> <li>• IS_DD : by Day</li> <li>• IS_DW : by Week</li> <li>• IS_DM : by Month</li> <li>• IS_DQ : by Quarter</li> </ul>
IS_Rx (Since xxxx.1.17)	<p>Resolution Date</p> <p>Supported code are :</p> <ul style="list-style-type: none"> <li>• IS_RD : by Day</li> <li>• IS_RW : by Week</li> <li>• IS_RM : by Month</li> <li>• IS_RQ : by Quarter</li> </ul>
ST, STo	Sub-Task linked to the Worklog
PIS	Only Parent Issue linked to the Worklog
CP	Issue's Component
IV	Impacted Version
FV	Fix Version
IT	Issue's Type
PT	Issue's Priority
RL	Issue's Resolution
Wx	<p>Worklog Details</p> <p>Supported code are :</p> <ul style="list-style-type: none"> <li>• Worklog Author : see RS</li> <li>• Worklog Date : <ul style="list-style-type: none"> <li>◦ WD : by Day</li> <li>◦ WW : by Week</li> <li>◦ WM : by Month</li> <li>◦ WQ : by Quarter</li> </ul> </li> <li>• WB : Worklog Comment (Worklog Body)</li> <li>• WT : Worklog Type</li> <li>• WS : Worklog Status</li> </ul>
customfield_999999	Any custom field identified by its Id

## Supported Customfield types are :

Customfield Types
com.atlassian.jira.issue.customfields.impl.SelectCFTType
com.atlassian.jira.issue.customfields.MultipleSettableCustomFieldType
com.atlassian.jira.issue.customfields.MultipleCustomFieldType
com.atlassian.jira.notification.type.UserCFNotificationTypeAware
com.atlassian.jira.issue.customfields.impl.ExternalCFTType
com.atlassian.jira.issue.customfields.impl.DateCFTType
com.atlassian.jira.issue.customfields.impl.DateTimeCFTType
com.atlassian.jira.issue.customfields.impl.AbstractMultiCFTType
com.atlassian.jira.issue.customfields.impl.AbstractSingleFieldType
For any other are <b>toString()</b> is assumed

# How to restrict available Combination of Aggregation Criteria

As Administrator, you can limit or extend the default combination of Aggregation Criteria:

- Go to Minyaa Settings page,
- Select Settings Tabs for Minyaa Time,
- You will be able to specify the Aggregation Criteria that will usedd (or extend existing) ...

Extension of Report Definition for Workload Issue Report:  
Enter Aggregation Criteria with comma separator, and semicolon : PIS,RS,CA ; IS,PIS,RS,CA

Override or Extend Workload Issue Report:  
If Yes, the Report Definitions are overriden, else extended.

Extension of Report Definition for Workload Project Report:  
Enter Aggregation Criteria with comma separator, and semicolon : PIS,RS,CA ; IS,PIS,RS,CA

Override or Extend Workload Project Report:  
If Yes, the Report Definitions are overriden, else extended.

PIS,RS,CA;  
IS,PIS,RS,CA]

☒ Yes ☐ No

☐ Yes ☒ No

Minyaa provides different **Aggregation Criteria** (or *ReportElement*) for most of fields :

- [Minyaa Suite](#)



**Useful hint**

*See also ...*