

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 ⁽¹⁾	Absolute or Relative Date	Filtered Worklog have to be equal or after this date
End Date ⁽¹⁾	Absolute or Relative Date	Filtered Worklog have to be equal or before this date
JQL Filter ⁽²⁾⁽⁴⁾	Integer	JQL Filter identified by its ID.
Category ⁽²⁾	Integer	Project Category Id. to use in filtering
Project ⁽²⁾	Integer	Project Id. to use in filtering
Developer ⁽²⁾⁽³⁾	User or Group Name	Developer (Worker or author) having entered the Worklog

- ⁽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.
- (4) Available since version **xxx.1.56** ...



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)-3 Q)	This formula executed for March 14' 2013, gives December 31' 2012. You can mix all these functions if is needed ...

Which Unit are available

Most of report may be configured to change how the delay are expressed.

Different Units are proposed ...

Report Unit	In Day Fraction (DD,## ▾)	The available formats with sample rendering for 150h logged with 8h per day and 5 days per week. • <u>Using native formats of Jira</u> ◦ (2) In Jira Pretty Short format : 3w 3d 6h 30m ◦ (3) In Jira Pretty Long format : 3 weeks, 3 days, 6 hours 30 minutes ◦ (5) In Hour : 150.5h ◦ (6) In day : 18d 6.5h • <u>In other additional formats</u> ◦ (1) In Day Fraction : 18.812 ◦ (4) In Hour Fraction : 150.5
How Issue Key	In Day Fraction (DD,##)	
	In Pretty (JIRA format : 1w 4d 6h 30m)	
	In Pretty (JIRA format : 1 week 4 days 6 hours 30 minutes)	
Show Issue Summary	In Hours Fraction (HH,##)	
	In Hours (JIRA format : 36,5h)	
	In Day (JIRA format : 4d 6,5h)	

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** (URL parameter **reportId**).
- The **Report Type** may be defined by different ways :

- Predefined, depending on each report and selectable during the Report Configuration,

Report Type

Category.
 Category, Issue.
 Category, Project.
 Category, Project, Issue.
 Category, Resource.
 Category, Resource, Issue.
 Category, Project, Resource.
 Category, Project, Resource, Issue.
 Category, Resource, Project.
 Category, Resource, Project, Issue.
 Resource.
 Resource, Issue.
 Resource, Category.
 Resource, Category, Issue.
 Resource, Category, Project.
 Resource, Category, Project, Issue.
 Resource, Category, Project, Component.
Resource, Category, Project, Component, Issue.
 Category, Project, Component.
 Category, Project, Component, Resource.

- Built using a sequence of **Aggregation Criteria**.

Aggregation criteria Define the field to use Aggregation criteria

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Available **Aggregation Criteria** are proposed in the [Workload Report - Issue](#) report, The resulting URL of your report will look like `reportElementKey1=CA&reportElementKey2=PR&reportElementKey3=IS_R&reportElementKey4=IS_CQ&reportElementKey5=CA&reportElementKey6=CA`.
 Note that, when selecting a new combination of Aggregation criteria, the resulting combination will be added a new predefined **Report Types** for others reports.
 The `reportElementKey5` and `reportElementKey6` will be ignored, since CA criteria is already specified in `reportElementKey1`.

- By using the **Report Type** (URL parameter `reportId`) with as value the expected **Aggregation Criteria** coma separated.
 For previous sample will be `reportId=CA,PR,IS_R,IS_CQ`
 Note that, when selecting a new combination of Aggregation criteria, the resulting combination will be added a new predefined **Report Types** for others reports.
- The Administrator can also define/restrict default combination of aggregation (See **Workload Reports** in [Minyaa Time Settings](#)).

Which Aggregation Criteria are available

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

For Systems 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_C x	Create Date Supported code are : • IS_CD : by Day • IS_CW : by Week • IS_CM : by Month • IS_CQ : by Quarter
IS_U x	Update Date Supported code are : • IS_UD : by Day • IS_UW : by Week • IS_UM : by Month • IS_UQ : by Quarter
IS_D x	Due Date Supported code are : • IS_DD : by Day • IS_DW : by Week • IS_DM : by Month • IS_DQ : by Quarter
IS_R x (Since xxxx.1.17)	Resolution Date Supported code are : • IS_RD : by Day • IS_RW : by Week • IS_RM : by Month • IS_RQ : by Quarter
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
W x	

	Worklog Details Supported code are : • Worklog Author : see RS • Worklog Date : ◦ WD : by Day ◦ WW : by Week ◦ WM : by Month ◦ WQ : by Quarter • WB : Worklog Comment (Worklog Body) • WT : Worklog Type • WS : Worklog Status
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For Custom Fields

You can the customfield Id as Criteria Code

Code	Report Element Description
customfield_ 999999	Any custom field identified by its Id

Their rendering in Report depends on implemented Customfield Types

Customfield Types
com.atlassian.jira.issue.customfields.impl.SelectCFieldType
com.atlassian.jira.issue.customfields.MultipleSettableCustomFieldType
com.atlassian.jira.issue.customfields.MultipleCustomFieldType
com.atlassian.jira.notification.type.UserCFNotificationTypeAware
com.atlassian.jira.issue.customfields.impl.ExternalCFieldType
com.atlassian.jira.issue.customfields.impl.DateCFieldType
com.atlassian.jira.issue.customfields.impl.DateTimeCFieldType
com.atlassian.jira.issue.customfields.impl.AbstractMultiCFieldType
com.atlassian.jira.issue.customfields.impl.AbstractSingleFieldType
For any other are toString() 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 **Manage Settings** in **Alkaes Setting** section page,
- Select Settings Tabs **for WorkloadReports** ,

- You will be able to specify the Aggregation Criteria that will used (or extend existing) ...

Background Start Color:
Initial color used to provided Gradients Color for Report

Background End Color:
Final color used to provided Gradients Colors for Report

Allow report on CustomField:
System is allowed to provide CustomFields as Aggregation Criteria

Allow report on only supported CustomField Type:
System is allowed to provide CustomFields for only supported CustomField Type

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 overridden, 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 overridden, else extended.

#ebeeef0

#42526e

☐ Yes ☒ No

☐ Yes ☒ No

Save

Cancel

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

- [Minyaa Suite](#)



Useful hint

See also ...