Mathematical and date-time expression calculator

This function has been **renamed** with the **JWT 3.0** release.

Find the new documentation at:

Mathematical or date-time expression calculator

On this page

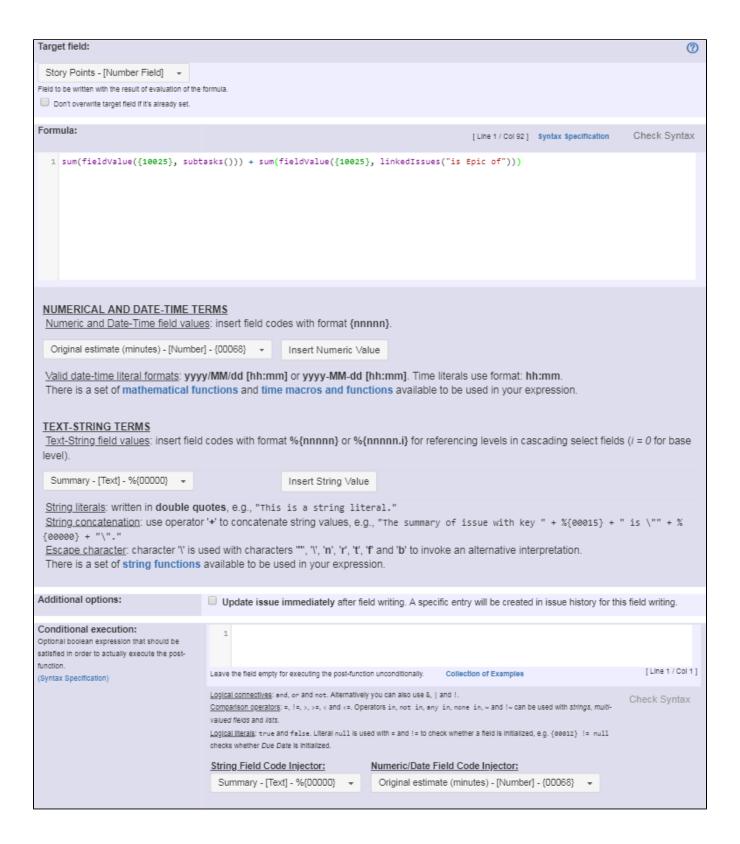
- Purpose
- Example 1: Set field using fields on linked issues and sub-tasks
- Example 2: Date-Time Calculation
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Purpose

This post-function allows to do almost any math and time calculation you can imagine using any system or custom field values, in current issue or any other related issue (linked issue, sub-tasks, JQL selected, etc). This feature uses the **Expression Parser**.

Example 1: Set field using fields on linked issues and sub-tasks

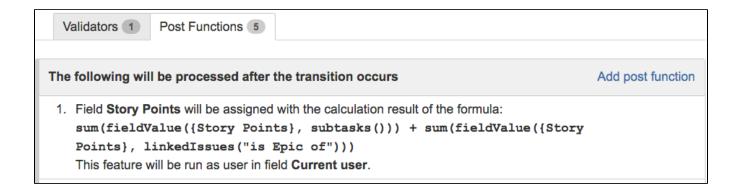
In this example we set custom field "Story Points" in our Epic with the sum of values of custom field "Story Points" in related stories and sub-tasks:



Note that:

• {10025} is code numeric value of "Story Points" custom field in the particular Jira instance of this example

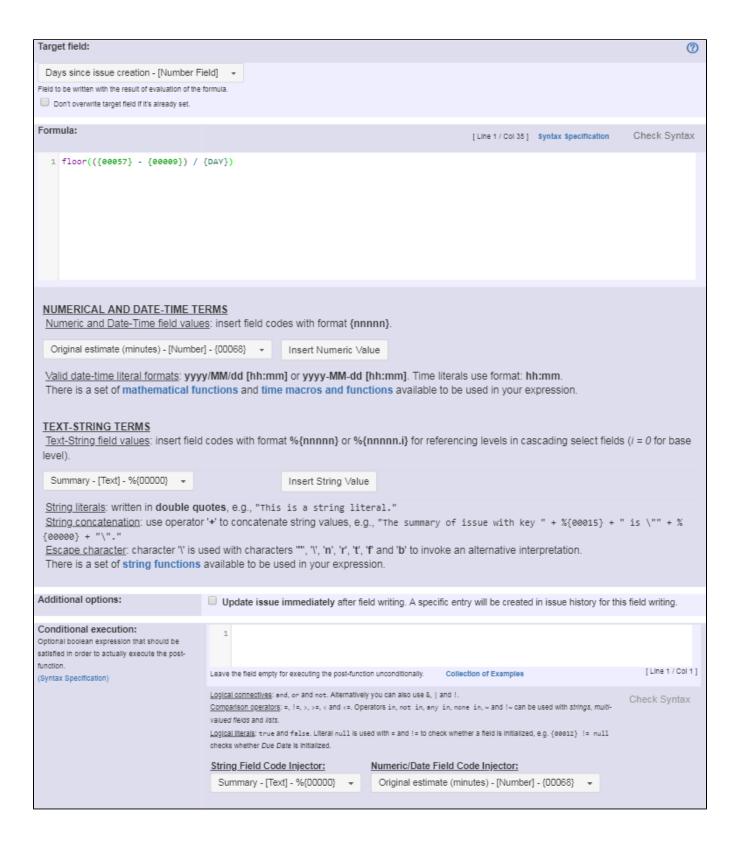
Once configured, post-function looks like this:



Example 2: Date-Time Calculation

Time calculations are made based on the fact that **Date** and **Date-Time** system or custom fields return the number of milliseconds elapsed since January 1, 1970, 00:00:00 GMT.

Let's see how to calculate the number of whole days elapsed since issue creation:



Note that:

- {00057} is code for numeric value of "Current date and time"
- {00009} if code for numeric value of "Date and time of creation"

Once configured, post-function looks like this:

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1. Field Days since issue creation will be assigned with the calculation result of the formula: floor(({Current date and time} - {Date and time of creation}) / {DAY})

This feature will be run as user in field Current user.

The following will be processed after the transition occurs

Examples of Math and Time Expressions

Usage Examples

Page: Automatic work log with start and stop work transitions Page: Automatically log work time when the user uses a "Stop Progress" transition

Page: Calculate the time elapsed between 2 transition executions Page: Getting the number of selected values in a custom field of type Multi Select

Page: Implement a form with a series of questions and calculate a numeric value based on the answers

Page: Increment a field or set to 1 if it's not set

Page: Set "Date-Time Picker" custom field with current date-time Page: Set "Due date" 6 natural days (or work days) earlier than a "Date Picker" custom field

Page: Set "Due date" to a specific day of next week no matter of date of creation this week

Page: Set "Due date" with certain time offset from current date

Page: Set "Total time spent" to "Current date and time - date and time of last update"

Page: Set a custom field "Urgency" depending on a combined value of issue's priority and "Impact" custom field

Page: Sum "Time Spent" in all sub-tasks of issues linked with issue link

types "LinkA", "LinkB", "LinkC"

Page: Triage Jira Service Desk email requests (Move issues)

Page: Using project properties to calculate custom sequence numbers

Related Features

Add post function