Automatically log work time when the user uses a "Stop Progress" transition

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Features used to implement the example

Mathematical and date-time expression calculator

Example: Automatically log work time when the user uses a "Stop Progress" transition

Is it possible to log work using a post-function? Are there any other means of achieving this?

What we want to achieve is to automatically log work time when the user presses the Stop Progress button, either by automatically logging the work time or by setting the time in the Work Time field in the stop progress screen.

Yes, you can do it. You have to use the following elements:

- Virtual field "Total time spent (minutes)". Writing into this virtual field allows you to log time
- Virtual field "Current date and time"
- An auxiliary custom field of type Date Time to store the time where you start progress. In the example I call this field "Start Progress Time"
- Post-function Mathematical and date-time expression calculator to do all the calculations and assignments into virtual field "Total time spent (minutes)"

We only need to insert post-function Mathematical and date-time expression calculator into two transitions: "Start Progress" and "Stop Progress".

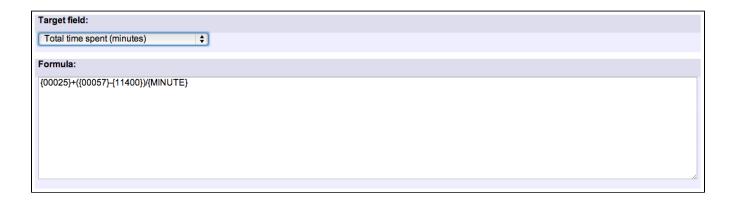
Transition "Start Progress": We insert post-function Mathematical and date-time expression calculator in transition "Start Progress" to store into custom field "Start Progress Time" the exact moment when you begin working on the issue. This custom field should not be present in edit screen since you only want it to be modified by this post-function. Let's see in screenshots how to do it:



Once configured, the transition will look like this:

All	Conditions (0)	Validators (0)	Post Functions (7)				
Add a new post function to the unconditional result of the transition.							
	Field Start Progress Time will be assigned with the calculation result of the formula: {Current date and time} Edit Move Down Delete						
— THEN							

Transition "Stop Progress": We insert post-function Mathematical and date-time expression calculator in transition "Stop Progress" to calculate the true time passed since "Start Progress" to "Stop Progress", and add this time to the value already present in virtual field "Total time spent (minutes)". Let's see how to do it:



Once configured, the transition will look like this:

Al	Conditions (1) Validators (0) Post Functions (7)						
Add a new post function to the unconditional result of the transition.							
_							
	Field Total time spent (minutes) will be assigned with the calculation result of the formula: {Total time spent (minutes)}+({Current date and time}-{Start Progress Time})/{MINUTE} Edit Move Down Delete						
	THEN						

This solution trims seconds passed since last whole minute, that is, if time passed since "Start Progress" to "Stop Progress" were 35 minutes 22 seconds, logged time would be 35 minutes. I could add a new virtual field "Total time spent (seconds)" to enable a resolution up to seconds.

Since version 2.2.39 you can do the time calculation considering only a particular work schedule, i.e., only the days and times when actual work is done. To do it you should use the following formula instead:

 ${\tt timeDifference(\{00057\},\ \{nnnnn\},\ "my_schedule",\ LOCAL)\ /\ \{MINUTE\}}$

Where my_schedule is the name of your particular work schedule. You define your schedule using Schedules Definition Grammar at Administrat ion > Add-ons > JIRA WORKFLOW TOOLBOX > Schedule.

Other examples of that function

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 Usage Examples

- Automatically log work time when the user uses a "Stop Progress" transition
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 - o custom-field
 - o work-log
- · Limit the number of hours a user can log per day
 - o example
 - validator
 - post-function
 - o work-log
- Make "Time Spent" field required when there is no time logged in the issue
 - o example
 - validator
 - work-log
- · Limit valid dates for work logs
 - o example
 - validator
 - work-log
- Set "Total time spent" to "Current date and time date and time of last update"
 - o example
 - o post-function
 - o work-log
- Sum "Time Spent" in all sub-tasks of issues linked with issue link types "LinkA", "LinkB", "LinkC"
 - example
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- Sum sub-task's "Time Spent" (work logs) and add it to a certain linked issue
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- Log absence time on another issue
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- Automatic work log with start and stop work transitions
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- Validate compatible values selection among dependent custom fields
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- Validate a custom field "Story Points" has been given a value in Fibonacci sequence
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- Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B
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- Validation on the value of a Cascading Select field
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- Make different fields mandatory depending on the value of a Select List custom field
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- Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"
 - example
 - o validator
 - o custom-field