

Getting the number of selected values in a custom field of type Multi Select

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Features used to implement the example

- [Mathematical and date-time expression calculator](#)

Example: Getting the number of selected values in a custom field of type Multi Select

I'm looking for a solution to check number of selected values of a multi select custom field. Based on that result another custom field has to be set (e.g. to number of items selected in the field to be checked) Is there a way to use the "Update parameters" of the [Mathematical and date-time expression calculator](#) post-function for this transition functionality of [Jira Workflow Toolbox](#)?

I have just released version 2.0.18 of [Jira Workflow Toolbox](#). This version implements a new function in the mathematical expression parser called "**numberOfSelectedItems**(field_id)". This function returns the number of items selected in a multi select field, version picker, multi user field, components, fix version/s, affects version/s and labels.

Now there is a very easy way to **set a custom field of type Number with the number of items selected in another custom field of type Multi Select**.

You can use post-function [Mathematical and date-time expression calculator](#) in the way I show you in the following screenshots:

Update parameters of the Mathematical or date-time expression calculator Function for this transition.

Update parameters of the Mathematical or date-time expression calculator Function for this transition.

Target field:

Ephemeral number 1

Formula:

numberOfSelectedItems({10600})

Target field:

Number of selected options

Formula:

{00058}

Once configured, the transitions looks like this:

All Conditions (0) Validators (0) Post Functions (7)

☐ Add a new post function to the unconditional result of the transition.

Field **Ephemeral number 1** will be assigned with the calculation result of the formula:
`numberOfSelectedItems({Colours})`
Edit | Move Down | Delete

THEN

Field **Number of selected options** will be assigned with the calculation result of the formula:
`{Ephemeral number 1}`
Edit | Move Up | Move Down | Delete

THEN

Notice that I have used an auxiliary field "Ephemeral number 1" as intermediary, instead of copying the result of "numberOfSelectedItems ({Colours})" directly to custom field "Number of selected options". I have done it this way because there is a very strange bug in the plugin that prevents post-functions [Copy parsed text to a field](#) and [Mathematical and date-time expression calculator](#) to copy directly to custom fields (not to virtual fields) when the post-function is in first place in execution order. That is why I have introduced an assignment to an auxiliary field in first position, so that assignment to custom field is done in second position. Another possible workaround is to move the post-function to a lower position in the order of execution.

Update

The bug I talk about in the last message was fixed in version 2.1.16 of the plugin. Anyway, it only happened when writing into a custom field and issue resolution was set. Now it is not needed to use any intermediary field, so you can do it with only one post-function [Mathematical and date-time expression calculator](#), selecting field "Number of selected options" as Target field, and introducing "numberOfSelectedItems({10600})" in parameter Formula.

Other examples of that function

[Page: Automatic work log with start and stop work transitions](#)
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[Page: Calculate the time elapsed between 2 transition executions](#)
[Page: Getting the number of selected values in a custom field of type Multi Select](#)
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[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](#)
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[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"](#)
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[Page: Using project properties to calculate custom sequence numbers](#)

Related Usage Examples

- [Validate compatible values selection among dependent custom fields](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)
- [Validate a custom field "Story Points" has been given a value in Fibonacci sequence](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)
- [Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)
- [Validation on the value of a Cascading Select field](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)
- [Make different fields mandatory depending on the value of a Select List custom field](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)
- [Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"](#)
 - [example](#)
 - [validator](#)
 - [custom-field](#)

- Enforce a field (Select List) to be set when another field (Radio Button) has a certain value (works with any kind of field type)
 - example
 - validator
 - custom-field
- Make attachment mandatory depending on the value of certain custom field
 - example
 - validator
 - custom-field
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
 - example
 - post-function
 - custom-field
 - sub-task
- Total of all story points in an epic
 - example
 - custom-field
 - calculated-field
- Show timeliness of an issue based on two date pickers
 - example
 - custom-field
 - calculated-field
- Add and remove a single or a set of items from multi valued fields
 - example
 - post-function
 - custom-field
 - issue-links
 - sub-task
- Highest value of a custom field among linked issues
 - example
 - custom-field
 - calculated-field
- Google Maps location from address
 - example
 - calculated-field
 - custom-field
- Make certain custom field required in resolve screen only if the resolution was set to "Fixed"
 - example
 - validator
 - custom-field