

Setting the priority depending on the multiplication of custom fields

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Features used to implement the example

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Example: Setting the priority depending on the multiplication of custom fields

In this example, the priority of an issue should be set depending on the result of multiplying two custom fields.

For this, three custom fields are needed:

- **"Impact"** (Default number custom field)
- **"Probability"** (Default number custom field)
- **"Rating"** ([Calculated Number Field](#)) for storing **(Impact * Probability)**

Depending on the outcome of the multiplication, the priority should be set as the following:

Rating	Priority
13-16	Highest
9-12	High
4-8	Medium
1-3	Low

The configuration of the [Calculated Number Field](#) **"Rating"** will look like this:

Math expression for Calculated Number field:

[Line 1 / Col 1][Syntax Specification](#)[Check Syntax](#)

1 {10417} * {10418}

Start typing to get the list of availabe fields

Insert String Value

Start typing to get the list of availabe fields

Insert Numeric Value

Text to be parsed is: {10417} * {10418}

Note that:

- **{10417}** is the field code for **"Impact"** (this field code might differ on your instance)

- **{10418}** is the field code for **"Probability"** (this field code might differ on your instance)

For this we need the post function [Set a field as a function of other fields](#). The configuration looks like the following:

Field to be checked for matching with type 1 setting rules:	<div>Rating - (Calculated Number Field (by JWT)) - [10419] ?</div> <div style="font-size: 0.8em; color: #666;">This field is only used by rules where conditional part is a regular expression written in brackets: "{regular_expression}"value</div>
Target field to be set:	<div>Priority - (Issue priority) - [00017]</div> <div style="font-size: 0.8em; color: #666;">Field to be set by first matched setting rule. Type of the field is shown in square brackets. Check documentation on Virtual Fields to get information about suitable values for setting selected target field.</div> <div><input type="checkbox"/> Don't overwrite target field if it's already set.</div>
Setting rules: There are two types of setting rules, and both types can be combined in the same post-function. Rule formats: - type 1: "{regular_expression}"value - type 2: "{boolean_expression}"value Write only one rule per line. value may be a parsed text or a mathematical or time formula, depending on the type of selected Target field. Regular expression syntax	<div> <div>1 [{10419} >= 1 AND {10419} <= 3]Low</div> <div>2 [{10419} >= 4 AND {10419} <= 8]Medium</div> <div>3 [{10419} >= 9 AND {10419} <= 12]High</div> <div>4 [{10419} >= 13 AND {10419} <= 16]Highest</div> </div> <div style="margin-top: 10px;"> <input type="checkbox"/> Evaluate all the setting rules, not stopping at first match. Only for multi-valued and ephemeral target fields. </div> <div style="text-align: right; font-size: 0.8em; color: #666;">[Line 1 / Col 36]</div> <div style="text-align: right; color: #007bff;">Check Syntax</div> <div style="margin-top: 10px;"> <div>Rating - (Calculated Number Field (by JWT)) - [10419] ▼</div> <div style="border: 1px solid #ccc; padding: 2px; width: 100px; text-align: center;">Insert Numeric Value</div> </div> <div style="margin-top: 10px;"> <div>Start typing to get the list of available fields ▼</div> <div style="border: 1px solid #ccc; padding: 2px; width: 100px; text-align: center;">Insert String Value</div> </div>

Text to be parsed is:

```
[{10419} >= 1 AND {10419} <= 3]Low
[{10419} >= 4 AND {10419} <= 8]Medium
[{10419} >= 9 AND {10419} <= 12]High
[{10419} >= 13 AND {10419} <= 16]Highest
```

Note that:

- **{10419}** is field code for calculated number field **"Rating"** (this field code might differ on your instance)

Once configured, the transition will look like this:

Create

TODO

This is the **initial** transition in the workflow.

Screen: None - initial transition does not have a view.

Validators 1

Post Functions 4

The following will be processed after the transition occurs

Add post function

- Creates the issue originally.
- Re-index an issue to keep indexes in sync with the database.
- Fire a **Issue Created** event that can be processed by the listeners.
- The field **Priority** will be set according to the evaluation of **Rating** against the following set of rules:

[{Rating} >= 1 AND {Rating} <= 3]Low

[{Rating} >= 4 AND {Rating} <= 8]Medium

[{Rating} >= 9 AND {Rating} <= 12]High

[{Rating} >= 13 AND {Rating} <= 16]Highest

This feature will be run as user in field **Current user**. by JWT

Other examples of that function

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Page: [Add watchers based on issue type](#)

Page: [Add watchers depending on the value of a custom field](#)

Page: [Assign issue based on the value of a Cascading Select custom field](#)

Page: [Assign issue to a specific user based on a specific custom field value](#)

Page: [Assign issue to current user if assignee is empty](#)

Page: [Assign issue to current user if the user is not member of a certain project role](#)

Page: [Change assignee based on a custom field](#)

Page: [Change parent's status depending on sub-task's summary](#)

Page: [Changing issue priority depending on issue description](#)

Page: [Compose dynamic text by inserting field values in a text template](#)

Page: [Copy "Due date" into a date type custom field in a linked issue if it's greater than current issue's "Due date"](#)

Page: [Limit the number of hours a user can log per day](#)

Page: [Make parent issue progress through its workflow](#)

Page: [Rise priority if due date is less than 3 weeks away](#)

Page: [Set "Due date" depending on the value of other fields, in case it's uninitialized](#)

Page: [Set "Due date" to a specific day of next week no matter of date of creation this week](#)

Page: [Set "Due date" to current date at issue creation if not initialized](#)

Page: [Set a custom field "Urgency" depending on a combined value of issue's priority and "Impact" custom field](#)

Page: [Set a date based on current date](#)

Page: [Set a field based on reporter's email](#)

Page: [Set a watcher at ticket creation depending on custom field's value](#)

Page: [Set assignee depending on issue type](#)

Page: [Set security level based on groups and project roles the reporter or creator are in](#)

Page: [Set security level depending on reporter or creator](#)

Page: [Set the assignee based on a condition](#)

Related Usage Examples

- Using project properties to calculate custom sequence numbers
 - example
 - post-function
 - calculated-field
 - project-properties
- Setting the priority depending on the multiplication of custom fields
 - example
 - calculated-field
 - post-function
- Number of open subtasks
 - example
 - calculated-field
- 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
- Highest value of a custom field among linked issues
 - example
 - custom-field
 - calculated-field
- Predicted due date of an epic
 - example
 - calculated-field
- Number of issues in same version
 - example
 - calculated-field
- Number of linked bugs (with hyperlink)
 - example
 - calculated-field

Page: [Set the value of a field of type "User Picker" depending on other field's value](#)

Page: [Set watchers depending on the value of a custom field](#)

Page: [Setting a custom field \(User Picker\) based on the value of another custom field \(Text Field\)](#)

Page: [Setting a field's default value depending on another field](#)

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Page: [Unassign an issue when assigned to project leader](#)

Page: [Update checkboxes custom field if a file has been attached during a transition](#)

Page: [Using project properties to calculate custom sequence numbers](#)

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- [Creating a Jira Service Desk internal comment](#)
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