

# 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 available fields

Start typing to get the list of available fields

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:  | Rating - (Calculated Number Field (by JWT)) - [10419] <span style="float: right;">?</span><br><small>This field is only used by rules where conditional part is a regular expression written in brackets: "(regular_expression)"value</small>  |
| Target field to be set:  | Priority - (Issue priority) - [00017]<br><small>Field to be set by first matched setting rule. Type of the field is shown in square brackets. Check <a href="#">documentation on Virtual Fields</a> to get information about suitable values for setting selected target field.</small><br><input type="checkbox"/> Don't overwrite target field if it's already set.  |
| Setting rules:   | <pre> 1 [{10419} &gt;= 1 AND {10419} &lt;= 3]Low 2 [{10419} &gt;= 4 AND {10419} &lt;= 8]Medium 3 [{10419} &gt;= 9 AND {10419} &lt;= 12]High 4 [{10419} &gt;= 13 AND {10419} &lt;= 16]Highest </pre>  |
| <small>There are two types of setting rules, and both types can be combined in the same post-function.</small><br><small>Rule formats:</small><br><small>- type 1: "(regular_expression)"value</small><br><small>- type 2: "[boolean_expression]"value</small><br><small>Write only one rule per line.</small><br><br><small>value may be a parsed text or a mathematical or time formula, depending on the type of selected Target field.</small><br><small><a href="#">Regular expression syntax</a></small> | <input type="checkbox"/> Evaluate all the setting rules, not stopping at first match. Only for multi-valued and ephemeral target fields. <span style="float: right;">[ Line 1 / Col 36 ]</span><br><span style="float: right;">Check Syntax</span>   |
|  | <div style="display: flex; justify-content: space-between;"> <div> <input type="text" value="Rating - (Calculated Number Field (by JWT)) - [10419"/> </div> <div> <input type="button" value="Insert Numeric Value"/> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <input type="text" value="Start typing to get the list of available fields"/> </div> <div> <input type="button" value="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**

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| The following will be processed after the transition occurs  | <a href="#">Add post function</a> |
|--|-----------------------------------|
| 1. Creates the issue originally.   |                                   |
| 2. Re-index an issue to keep indexes in sync with the database.  |                                   |
| 3. Fire a <b>Issue Created</b> event that can be processed by the listeners.   |                                   |
| 4. The field <b>Priority</b> will be set according to the evaluation of <b>Rating</b> against the following set of rules:<br><pre>           [{Rating} &gt;= 1 AND {Rating} &lt;= 3]Low           [{Rating} &gt;= 4 AND {Rating} &lt;= 8]Medium           [{Rating} &gt;= 9 AND {Rating} &lt;= 12]High           [{Rating} &gt;= 13 AND {Rating} &lt;= 16]Highest           </pre> This feature will be run as user in field <b>Current user</b> . <span style="float: right; border: 1px solid gray; border-radius: 50%; padding: 2px 5px; font-size: 0.8em;">by JWT</span> |                                   |

## Other examples of that function

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