

Set "Due date" depending on the value of other fields, in case it's uninitialized

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Features used to implement the example

- [Set a field as a function of other fields](#)

Example: Set "Due date" depending on the value of other fields, in case it's uninitialized

I'm trying to create a post-function with this logic:

- The basic version:
If the field **DUE DATE** is null, then insert this value to the **DUE DATE** field: **CreatedDate + 3 Days**
- The more complicated version:
If the field **DUE DATE** is null, and the **PRIORITY = Major**, then insert this value in the **DUE DATE** field: **CreatedDate + 2 hours**

You have to use post-function [Set a field as a function of other fields](#) of [Jira Workflow Toolbox](#) plugin with the following configuration:

Field to be checked for matching with type 1 setting rules:	Summary	This field is only used by rules where conditional part is a regular expression written in brackets: <code>'(regular_expression)'value</code>
Target field to be set:	Due date - [Date]	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.
Setting rules: There are two types of setting rules, and both types can be combined in the same post-function. Rule formats: - type 1: <code>'(regular_expression)'value</code> - type 2: <code>'[boolean_expression]'value</code> Write only one rule per line. <i>value</i> may be a parsed text or a mathematical or time formula, depending on the type of selected <i>Target field</i> . Regular expression syntax	<pre>[[00012]=null AND %([00017])="Major"]([00009])+2*{HOUR} [[00012]=null]([00009])+3*{DAY}</pre>	
Numeric or Date-Time field values >	Due date - [Date] - {00012}	INSERT NUMERIC VALUE
Text-String field values >	Priority - [Issue priority] - %([00017])	INSERT STRING VALUE
<p>Write only one rule per line. The rules will be processed in order. Once a rule is matched, its associated value will be parsed or calculated and copied to selected target field, and the rest of the rules won't be processed. If selected target field is of type number, date, date and time, the associated value should be a number or a mathematical/time formula. Other types like user, date, issue status, issue priority and issue resolution require values of corresponding suitable types.</p> <p>There are 2 kinds of rules which can be combined in the same post-function:</p> <ul style="list-style-type: none">- type 1: uses format <code>(regular_expression)value</code>. This setting rule checks if a certain regular expression matches selected <i>field to be checked</i>.- type 2: uses format <code>[boolean_expression]value</code>. This is the most powerful of both types of rules, since you can use complex boolean expressions, including a combination of math, date, time and text-string terms with logical connectives OR, AND and NOT.		

Notice that:

- **{00012}** is the field code for numeric value of field **Due Date**
- **{00009}** is the field code for numeric value of field **Date and time of creation**
- **%{00017}** is the field code for string value of field **Priority**

Value of parameter "**Field to be checked for matching with type 1 setting rules**" has no effect, since we are **not** using **type 1** setting rules.

Setting rules are evaluated in order, and once a rule is matched, the rest of the rules are not processed. That's the reason we write in first place the most restrictive setting rule (**Due Date = null and Priority = Major**), and in second place the most general one.

Once configured, the transition will look like this:

Transition: Create Issue

EditView Properties?

Create Issue

OPEN

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

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

Validators 1

Post Functions 3

The following will be processed after the transition occurs

Add post function

- Creates the issue originally.
- The field **Due date** will be set according to the evaluation of **Summary** against the following set of rules:
`{Due date}=null AND %{Priority}="Major">{Date and time of creation}+2*{HOUR}`
`{Due date}=null){Date and time of creation}+3*{DAY}`
- Fire a **Issue Created** event that can be processed by the listeners.

Other examples of that function

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

Related Usage Examples

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 - example
 - post-function
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 - example
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- Triage Jira Service Desk email requests (Move issues)
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 - example
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 - outdated
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- Moving sub-tasks to "Open" status when parent issue moves to "In Progress"
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 - example
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