

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

## On this page

- [Features used to implement the example](#)
- [Example: Set "Due date" depending on the value of other fields, in case it's uninitialized](#)
- [Other examples of that function](#)
- [Related Usage Examples](#)

## 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:

<b>Field to be checked for matching with type 1 setting rules:</b>	Summary	This field is only used by rules where conditional part is a regular expression written in brackets: <code>'(regular_expression)'value</code>
<b>Target field to be set:</b>	Due date - [Date]	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.
<b>Setting rules:</b> There are two types of setting rules, and both types can be combined in the same post-function. <b>Rule formats:</b> - type 1: <code>'(regular_expression)'value</code> - type 2: <code>'[boolean_expression]'value</code> <b>Write only one rule per line.</b>  <i>value</i> may be a parsed text or a mathematical or time formula, depending on the type of selected <i>Target field</i> . <a href="#">Regular expression syntax</a>	<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 <b>only one rule per line</b>. 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 <b>number</b>, <b>date</b>, <b>date and time</b>, the associated value should be a <b>number</b> or a <b>mathematical/time formula</b>. Other types like <b>user</b>, <b>date</b>, <b>issue status</b>, <b>issue priority</b> and <b>issue resolution</b> require values of corresponding suitable types.</p> <p><b>There are 2 kinds of rules</b> which can be combined in the same post-function:</p> <ul style="list-style-type: none"><li>- 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>.</li><li>- 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.</li></ul>		

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 occursAdd post function

1. Creates the issue originally.

2. 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}}**

3. Fire a **Issue Created** event that can be processed by the listeners.

## Other examples of that function

Page: [Add watcher depending on security level](#)  
 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](#)

## Related Usage Examples

- [Creating a Jira Service Desk internal comment](#)
  - [example](#)
  - [post-function](#)
- [Limit the number of hours a user can log per day](#)
  - [example](#)
  - [validator](#)
  - [post-function](#)
  - [work-log](#)
- [Using project properties to calculate custom sequence numbers](#)
  - [example](#)
  - [post-function](#)
  - [calculated-field](#)
  - [project-properties](#)
- [Set a date based on current date](#)
  - [example](#)
  - [post-function](#)
- [Setting the priority depending on the multiplication of custom fields](#)
  - [example](#)
  - [calculated-field](#)
  - [post-function](#)
- [Parse Email addresses to watchers list](#)
  - [example](#)

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  
 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  
 Page: Setting the priority depending on the multiplication of custom fields  
 Page: Transition an issue automatically depending on the value of a field  
 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

- post-function
- Set the assignee based on a condition
  - example
  - post-function
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
  - example
  - post-function
  - custom-field
  - sub-task
- Create a static set of sub-tasks with unique summaries
  - example
  - post-function
- Triage Jira Service Desk email requests (Move issues)
  - example
  - post-function
  - move
  - transition-issue
- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress" (Transition issues)
  - example
  - post-function
  - transition
- Transition sub-tasks when parent is transitioned
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Transition only a sub-task among several ones
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Moving sub-tasks to "Open" status when parent issue moves to "In Progress"
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Moving story to "Ready for QA" once all its sub-tasks are in "Ready for QA" status
  - example
  - post-function
  - sub-task
  - transition
  - outdated