

Set a date based on current date

On this page

- [Features used to implement the example](#)
- [Example: Set a date based on current date](#)
- [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 a date based on current date

In this example a date will be set based on the value of a select list custom field and the current date.

Based on a single select with the options "**monthly**" and "**quarterly**" another custom date field "**Time limit**" should be set.

Case 1: Selecting "monthly"

- "**Time limit**" will be set to the last day of the next month.

Case 2: Selecting "quarterly"

- "**Time limit**" will be set to the last day of the quarter, e.g.
Creating an issue on 22/Feb, "Time limit" will be updated to 31/Mar.

Note: For this example, two custom fields are needed:

- Select list (single choice) "**Frequency**" with two options: monthly and quarterly
- Date picker "**Time limit**"

This can be done using the [Set a field as a function of other fields](#) post function.

Field to be checked for matching with type 1 setting rules:	Frequency - (Select List (single choice)) - [10406] ? <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:	Time limit - (Date Picker) - [10407] <small>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.</small> <input type="checkbox"/> Don't overwrite target field if it's already set.
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. <small>value may be a parsed text or a mathematical or time formula, depending on the type of selected Target field.</small> Regular expression syntax	<pre> 1 (Monthly)lastDayOfTheMonth(addMonths({00057}, 1, LOCAL), LOCAL) 2 [month({00057}, LOCAL) in [{JANUARY}, {FEBRUARY}, {MARCH}]]dateTime(year({00057}, LOCAL), 3, 31, 0, 0, LOCAL) 3 [month({00057}, LOCAL) in [{APRIL}, {MAY}, {JUNE}]]dateTime(year({00057}, LOCAL), 6, 30, 0, 0, LOCAL) 4 [month({00057}, LOCAL) in [{JULY}, {AUGUST}, {SEPTEMBER}]]dateTime(year({00057}, LOCAL), 9, 30, 0, 0, LOCAL) 5 [month({00057}, LOCAL) in [{OCTOBER}, {NOVEMBER}, {DECEMBER}]]dateTime(year({00057}, LOCAL), 12, 31, 0, 0, LOCAL) </pre> <div> <input type="checkbox"/> Evaluate all the setting rules, not stopping at first match. Only for multi-valued and ephemeral target fields. </div> <div> <div>Start typing to get the list of available fields</div> <div>Insert Numeric Value</div> </div> <div> <div>Start typing to get the list of available fields</div> <div>Insert String Value</div> </div> <div> <div>[Line 1 / Col 1]</div> <div>Check Syntax</div> </div>

Text to be parsed is:

```

(Monthly)lastDayOfTheMonth(addMonths({00057}, 1, LOCAL), LOCAL)
[month({00057}, LOCAL) in [{JANUARY}, {FEBRUARY}, {MARCH}]]dateTime(year({00057}, LOCAL), 3, 31, 0, 0, LOCAL)
[month({00057}, LOCAL) in [{APRIL}, {MAY}, {JUNE}]]dateTime(year({00057}, LOCAL), 6, 30, 0, 0, LOCAL)
[month({00057}, LOCAL) in [{JULY}, {AUGUST}, {SEPTEMBER}]]dateTime(year({00057}, LOCAL), 9, 30, 0, 0, LOCAL)
[month({00057}, LOCAL) in [{OCTOBER}, {NOVEMBER}, {DECEMBER}]]dateTime(year({00057}, LOCAL), 12, 31, 0, 0, LOCAL)

```

Note that:

- {00057} is field code for field "Current date and time"

Once configured, the transition will look like this:

Create

TO DO

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

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

Validators 1

Post Functions 5

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.
- Type:** class
Class: com.atlassian.jira.workflow.function.event.FireIssueEventFunction
Arguments:
eventTypeId = 1
- The following text parsed in **advanced** mode will be copied to **New watchers**:
`toString(textOnStringList(toStringList(%{Emails}, ", "), toString(usersWithEmail(^%))))`
This feature will be run as user in field **Current user**. by JVT
- The field **Time limit** will be set according to the evaluation of **Frequency** against the following set of rules:
`(Monthly)lastDayOfMonth(addMonths({Current date and time}, 1, LOCAL), LOCAL)`
`[month({Current date and time}, LOCAL) in [{JANUARY}, {FEBRUARY}, {MARCH}]]dateTime(year({Current date and time}, LOCAL), 3, 31, 0, 0, LOCAL)`
`[month({Current date and time}, LOCAL) in [{APRIL}, {MAY}, {JUNE}]]dateTime(year({Current date and time}, LOCAL), 6, 30, 0, 0, LOCAL)`
`[month({Current date and time}, LOCAL) in [{JULY}, {AUGUST}, {SEPTEMBER}]]dateTime(year({Current date and time}, LOCAL), 9, 30, 0, 0, LOCAL)`
`[month({Current date and time}, LOCAL) in [{OCTOBER}, {NOVEMBER}, {DECEMBER}]]dateTime(year({Current date and time}, LOCAL), 12, 31, 0, 0, LOCAL)`
This feature will be run as user in field **Current user**. by JVT

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](#)
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](#)

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](#)
 - [post-function](#)
- [Set the assignee based on a condition](#)
 - [example](#)

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
- [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