

Set a date based on current date

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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] ? This field is only used by rules where conditional part is a regular expression written in brackets: "(regular_expression)"value
Target field to be set:	Time limit - (Date Picker) - [10407] 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. ☐ 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. value may be a parsed text or a mathematical or time formula, depending on the type of selected Target field. 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> ☐ Evaluate all the setting rules, not stopping at first match. Only for multi-valued and ephemeral target fields. [Line 1 / Col 1] Check Syntax Start typing to get the list of available fields Insert Numeric Value Start typing to get the list of available fields Insert String Value

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

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