

Create a sub-task for every recurring deadline within a task

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Use case

In this use case, several sub-task will be created depending on the frequency of time chosen. A different sub-task will be created for every monthly, quarterly, half-yearly or yearly recurring deadline of a whole year. For example, 12 tickets will be created if the task has 12 recurring deadlines, one for every month of the year, and only 2 if the task has 2 internal deadlines, one for every six months, from the current date.



Prerequisites

Set up custom fields

Create two custom fields to define the frequency and a base date.

Custom fields

Create a **Date Picker** field and name it **Deadline**.

Create a **Single Select** field and name it **Frequency**.

Add the following options to the field:

- **Monthly**
- **Quarterly**
- **Half-yearly**
- **Yearly**



Configuration

1

Add a [Create issue](#) post function to the **workflow transition** of your choice.

2

Issues to be created

1

Mode

Choose **Multiple issues**.

2

Expression

Write an expression using this format with parsing mode in **Number**.

```
getMatchingValue(%{issue.cfFrequency}, ["Monthly", "Quarterly", "Half-yearly", "Yearly"], [12, 4, 2, 1])
```

3

Issue type

Choose **Sub-task**

4

Parent issue

Choose **Current issue**

5

Summary

```
"Sub-task with deadline on " + dateToString(addMonths({system.
currentDateTime}, (^) * getMatchingValue(%{issue.cfFrequency}, ["Monthly",
"Quarterly", "Half-yearly", "Yearly"], [1, 3, 6, 12]), LOCAL), LOCAL,
SERVER_LANG)
```

6

Deadline

Set the field Deadline

```
addMonths({system.currentDateTime}, (^) * getMatchingValue(%{issue.
cfFrequency}, ["Monthly", "Quarterly", "Half-yearly", "Yearly"], [1, 3, 6,
12]), LOCAL)
```

Conditional execution














Add a conditional execution to avoid executing the rule with the sub-tasks if they share the workflow with the parent task.

```
%{issue.issueType} = "Task"
```



Related use cases

Use case	JWT feature	Workflow function	Parser functions	Label
Clone epic, tasks and sub-tasks		Create issue	toString() toStringList() issueKeysToIssueList() replaceFirst() first() fieldValue() textOnStringList() findModify() subtasks() issuesUnderEpic()	

Create an issue in the current project		Create issue		STAFF PICK
Create an issue with a custom summary		Create issue	previousValue()	
Create a sub-task for each component		Create issue	toStringList()	
Create a sub-task for every recurring deadline within a task		Create issue	addMonths() getMatchingValue() dateToString()	
Create a sub-task for every sub-task closed		Create issue	findReplaceFirst() first() findPattern() toString() sum() toNumber()	
Create a sub-task for every user in a field and assign them		Create issue	getMatchingValue() toStringList()	
Create child issue within Advanced Roadmaps hierarchy		Create issue		
Create issues randomly		Create issue	modulus() round() random()	
Create issue under epic		Create issue	toString() epic()	
Create several issues combining fields		Create issue	nthElement() toStringList() modulus() count() ceil()	
Create several sub-tasks depending on the component		Create issue		
Create sub-tasks depending on selected values in custom field		Create issue	toStringList()	STAFF PICK
Create three issues with individual summaries		Create issue	getMatchingValue()	

If you still have questions, feel free to refer to our [support team](#).