Sum up value in parent issue on field change in sub-tasks



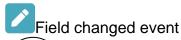
Field changed event | Issue selector | Update field action | Screencast | Import the example | Related use cases

Use case

When a custom "Number field" is **changed in a sub-task**, a corresponding field in the parent issue, representing the sum of those field values, will be **automatically updated**.

The rule executes every time the field is being updated on a sub-task.

Don't want to use an automation rule? Just take a look at JWT calculated number fields instead!





Create a new rule and name it appropriately.

Providing a description will help you to identify what the rule does but this step is optional.

Add a Trigger Field changed event



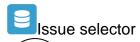
Fields

Choose your custom Number Field



Changed to

Choose Any value

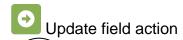




Add Selector Issue selector



Target Issue(s)



Next to the Issue Selector click on Add Action Update field



Field

Choose your custom Number Field



Update to

Choose Value returned by parsed expression



Parser Expression

Set the mode to Advanced text and enter the following Parser Expression

sum(fieldValue({issue.cf11502}, subtasks())) #Replace field code with the field code of your custom field. Use the field dropdown to automatically insert the field code

 $\{\mathtt{issue.cf11502}\}\$ is the $\$ field $\$ code for the custom $\$ number $\$ field to be summed up. The field $\$ code will differ in your instance.



Enable the rule by clicking on the **Enable button**





Screencast

This is how the configuration above should look on your screen

Your browser does not support the HTML5 video element

You can get the same result by configuring JWT calculated number fields.



Import the example

Import the JSON file below to get started in no time.

JSON

After importing the JSON file, make sure to check the configuration of the rule. Non-existing configuration elements (issue types, fields, values etc.) will be highlighted.	

```
"name": "Update summed up value in parent issue on field change in sub-tasks",
   "description": "",
   "creator": "admin",
   "status": true,
   "triggerData": "",
    "triggerType": "FIELD_CHANGED_EVENT",
    "configuration": {
        "refs": [
            "issue",
            "system",
            "trigger.issue",
            "trigger.parent"
        "fieldId": "12202",
        "option": "any",
        "triggerType": ""
   },
    "children": [
       {
            "sequence": 0,
            "type": "ISSUE_SELECTOR",
            "ruleEntityType": "SELECTOR",
            "configuration": {
                "refs": [
                    "issue",
                    "project",
                    "system",
                    "trigger",
                    "trigger.issue",
                    "trigger.parent"
                ],
                "option": "parent",
                "issueListExpressionParsingMode": "issues",
                "actingUser": "field_00020"
            },
            "children": [
                {
                    "sequence": 0,
                    "type": "UPDATE_FIELD",
                    "ruleEntityType": "ACTION",
                    "configuration": {
                        "refs": [
                            "issue",
                            "issues",
                            "project",
                            "selector.issue",
                            "selector.parent",
                            "system",
                            "trigger",
                            "trigger.issue",
                            "trigger.parent"
                        "fieldId": "12202",
                        "mode": "parser",
                        "value": "sum(fieldValue({issue.cf12202}, subtasks()))",
                        "valueParsingMode": "math",
                        "sendMail": "true",
                        "actingUser": "field_00020"
                    },
                    "children": null,
                    "hasChildren": false
                }
            ],
            "hasChildren": true
   ],
    "hasChildren": true
}
```

Related use cases

Title	Automated action	JWT feature	Label
Inherit value from parent in Advanced Roadmaps hierarchy	Update field action	\$	
Copy excerpted value from new comments	Update field action	\$	
Bulk clear the issue resolution	Update field action	\$	STAFF PICK
Add components of the epic to the current issue	Update field action	\$	
Sum up value in parent issue on field change in sub-tasks	Update field action	%	
Delete the attachments of an issue 30 days after closing it	Update field action	\$	
Update assignee and reporter to facilitate user deletion	Add comment action Assign issue action Update field action	\$	STAFF PICK
Bulk edit the issue resolution	Update field action	\$	STAFF PICK
Keep the priority of parents and sub-tasks in sync	Update field action	\$	

If you still have questions, feel free to refer to our support team.