

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

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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!



Field changed event

1

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.

2

Add a **Trigger** **Field changed event**

1

Fields

Choose your custom **Number Field**

2

Changed to

Choose **Any value**



Issue selector

3

Add **Selector** **Issue selector**

Target Issue(s)

4

Choose **Parent Issue**



Update field action

5

Next to the **Issue Selector** click on **Add Action Update field**

1

Field

Choose your custom **Number Field**

2

Update to

Choose **Value returned by parsed expression**

3

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
```

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

6

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		STAFF PICK
	Assign issue action		
	Update field action		
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.