

Automatically close sub-tasks when parent is completed

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Use case

Avoid all the manual work by automatically closing sub-tasks when the parent issue is completed.



Issue transitioned 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** **Issue transitioned event**



Boolean condition

3

Add the following expression:

```
%{trigger.issue.status} = "Done"
```



Issue selector

4

Under the **Boolean condition** click on **Add** **Issue selector**

1

Target issue

Choose **Sub-tasks**



Boolean condition

5

Next to the **Issue selector** click on **Add Condition Boolean condition**

1

Add the following expression:

```
%{selector.issue.status} != "Done"
```



Transition issue



6

Finally, next to the **Boolean condition** click on **Add Action Transition issue**

1

Set the mode to **Transition to status** and choose the status **Done**.

7

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



Screencast

No screencast available at the moment.



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": "Automatically close sub-tasks when parent is completed",
  "description": "",
  "creator": "admin",
  "status": false,
  "triggerData": "",
  "triggerType": "ISSUE_TRANSITIONED_EVENT",
  "configuration": {
    "refs": [
      "issue",
      "system",
      "trigger.issue",
      "trigger.parent"
    ],
  },
}
```

```

    "triggerType": ""
  },
  "children": [
    {
      "sequence": 0,
      "type": "BOOLEAN_CONDITION",
      "ruleEntityType": "CONDITION",
      "configuration": {
        "refs": [
          "issue",
          "project",
          "system",
          "trigger",
          "trigger.issue",
          "trigger.parent"
        ],
        "expression": "%{trigger.issue.status} = \"Done\"",
        "expressionParsingMode": "logical",
        "actingUser": "field_00020"
      },
    },
    "children": [
      {
        "sequence": 0,
        "type": "ISSUE_SELECTOR",
        "ruleEntityType": "SELECTOR",
        "configuration": {
          "refs": [
            "issue",
            "project",
            "system",
            "trigger",
            "trigger.issue",
            "trigger.parent"
          ],
          "option": "subtasks",
          "issueListExpressionParsingMode": "issues",
          "actingUser": "field_00020"
        },
      },
      "children": [
        {
          "sequence": 0,
          "type": "BOOLEAN_CONDITION",
          "ruleEntityType": "CONDITION",
          "configuration": {
            "refs": [
              "issue",
              "issues",
              "project",
              "selector.issue",
              "selector.parent",
              "system",
              "trigger",
              "trigger.issue",
              "trigger.parent"
            ],
            "expression": "%{selector.issue.status} != \"Done\"",
            "expressionParsingMode": "logical",
            "actingUser": "field_00020"
          },
        },
        "children": [
          {
            "sequence": 0,
            "type": "TRANSITION_ISSUE",
            "ruleEntityType": "ACTION",
            "configuration": {
              "refs": [
                "issue",
                "issues",
                "project",
                "selector.issue",
                "selector.parent",

```








```

        "system",
        "trigger",
        "trigger.issue",
        "trigger.parent"
      ],
      "option": "status",
      "status": "10012",
      "actingUser": "field_00020"
    },
    "children": null,
    "hasChildren": false
  }
],
"hasChildren": true
}
],
"hasChildren": true
}
],
"hasChildren": true
}
],
"hasChildren": true
}
]

```



Related examples

Title	Automated action	JWT feature	Label
Copy the parent issue comments to its sub-tasks	Add comment action		
Remind users to close inactive issues	Add comment action		STAFF PICK
Add comment after seven days in the same status	Add comment action		
Re-assign issues and leave a comment	Add comment action Assign issue action		
Notify assignees when components are merged	Add comment action		
Notify the project lead on priority changes	Add comment action		
Update assignee and reporter to facilitate user deletion	Add comment action Assign issue action Update field action		STAFF PICK

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