Automatically close parent when all sub-tasks are done

On this page

Issue transitioned event | JQL condition | Boolean condition | Issue selector | Transition issue | Screencast | Import the example | Related examples

Use case

Avoid the manual work by closing the parent after checking if all sub-tasks are done, let automation do it for you!



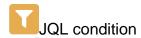


Create a new rule and name it appropriately.

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



Add a Trigger Issue transitioned event





Add the following expression:

issuetype in subtaskIssueTypes()

Boolean condition



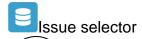
Next to the JQL condition click on Add Boolean condition



Add the following expression:

%{trigger.issue.status} = "Done" and count(siblingSubtasks()) = count
(filterByStatus(siblingSubtasks(), "Done"))

This way the rule execution will only continue, if the current issue was transitioned to **Done** and if all other sub-tasks under the current parent issue are also in status **Done**.



5

Next to the Boolean condition click on Add Issue selector



Choose Parent issue as the target issue.

Transition issue



Finally, next to the Issue selector click on Add Action Transition issue



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



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

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

```
"triggerType": ""
    "children": [
        {
            "sequence": 0,
            "type": "JQL_CONDITION",
            "ruleEntityType": "CONDITION",
            "configuration": {
                "refs": [
                    "issue",
                    "project",
                    "system",
                    "trigger",
                    "trigger.issue",
                    "trigger.parent"
                ],
                "jql": "issuetype in subtaskIssueTypes()",
                "jqlParsingMode": "jql",
                "actingUser": "field_00020"
            },
            "children": [
                {
                    "sequence": 0,
                    "type": "BOOLEAN_CONDITION",
                    "ruleEntityType": "CONDITION",
                    "configuration": {
                        "refs": [
                            "issue",
                             "project",
                            "system",
                            "trigger",
                            "trigger.issue",
                             "trigger.parent"
                         "expression": "%{\text{trigger.issue.status}} = \Done\ and count(siblingSubtasks()) =
count(filterByStatus(siblingSubtasks(), \"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": "parent",
                                 "issueListExpressionParsingMode": "issues",
                                 "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

Transition issue action	\$	
Transition issue action	4	
Transition issue action	\$	STAFF PICK
Transition issue action	\$	
Transition issue action	%	
Transition Issue	%	
Transition issue action	&	STAFF PICK
Transition issue action	\$	STAFF PICK
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Transition issues when assigned to a developer	Transition issue action	\$	
Automatically close sub-tasks when parent is completed	Transition issue action	\$	STAFF PICK
Re-open issue when a new comment is added	Transition issue action	\$	
Close stories when epic is done	Transition issue action	\$	

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