

# Block transition until all sub-tasks are in a specific status category

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## Features used to implement the example

- [Boolean condition and validator with math. date-time or text-string terms](#)

## Example: Block transition until all sub-tasks are in a specific status category

In this example, moving the current issue to status **"Done"** should only be possible when all sub-tasks are in status category **"Done"** - otherwise the transition button should be hidden.

For this, a [Boolean condition and validator with math. date-time or text-string terms](#) is needed on the transition to **"Done"** on the current issue (the parent).

The configuration will look like this:

Boolean expression to be evaluated:

[ Line 1 / Col 63 ] [Syntax Specification and Examples](#) ?

1

count(filterByPredicate(subtasks(), ^{%00144} != "Done")) = 0

Logical connectives: and, or and not. Alternatively you can also use &, | and !.

Comparison operators: =, !=, >, >=, < and <=. Operators ~, !~, in, not in, any in and none in can be used with strings, multi-valued fields and lists.

Logical literals: true and false. Literal null is used with = and != to check whether a field is initialized, e.g. {00012} != null checks whether Due Date is initialized.

**NUMERICAL AND DATE-TIME TERMS**

Numeric and Date-Time field values: insert field codes with format {nnnnn}.

Start typing to get the list of available fields

Insert Numeric Value

Valid date-time literal formats: yyyy/MM/dd [hh:mm] or yyyy-MM-dd [hh:mm]. Time literals use format: hh:mm.

There is a set of [mathematical functions](#) and [time macros and functions](#) available to be used in your expression.

**TEXT-STRING TERMS**

Text-String field values: insert field codes with format {%nnnnn} or {%nnnnn.i} for referencing levels in cascading select fields (i = 0 for base level).

Start typing to get the list of available fields

Insert String Value

String literals: written in double quotes, e.g., "This is a string literal."

String concatenation: use operator '+' to concatenate string values, e.g., "The summary of issue with key " + {%00015} + " is \" + {%00000} + "\".

Escape character: character \" is used with characters \"\", \"n\", \"r\", \"t\", \"f and \"b\" to invoke an alternative interpretation.


There is a set of [string functions](#) available to be used in your expression.

Boolean expression to be evaluated is: `count(filterByPredicate(subtasks(), ^{%00144} != "Done")) = 0`

Note that:

- `%{00144}` is field code for field **"Issue status category"**

After adding the condition, the issue cannot be transitioned as long as there are sub-tasks that are not yet in status category **"Done"**:

 Software / SOFT-36

Release 1.2.3

Edit

Comment

Assign

More

Admin

Export

Details

Type: Release Status: IN PROGRESS (View Workflow) Priority: Low Affects Version/s: None Resolution: Unresolved Labels: None

Description

Click to add description

Attachments

Drop files to attach, or browse.

Sub-Tasks

1. Documentation for Version 1.2.3

2. Blog entry for Version 1.2.3

3. Newsletter for Version 1.2.3

4. Social Media for Version 1.2.3


People

Assignee: Unassigned Assign to me Reporter: admin Votes: 0 Watchers: Stop watching this issue

Dates

Created: 25 minutes ago Updated: Just now

As soon as all sub-tasks are in status category **"Done"**, the parent issue can be transitioned as well:


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## Release 1.2.3

Edit
Comment
Assign
More ▾
Done
Admin ▾
Export ▾

### Details

Type:	Release	Status:	<span>IN PROGRESS</span> <a href="#">(View Workflow)</a>
Priority:	Low	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	1.2.3
Labels:	None		

### Description

[Click to add description](#)

### Attachments

Drop files to attach, or [browse](#).

### Sub-Tasks

1.	Documentation for Version 1.2.3		<span>CLOSED</span> Unassigned
2.	Blog entry for Version 1.2.3		<span>CLOSED</span> Unassigned
3.	Newsletter for Version 1.2.3		<span>CLOSED</span> Unassigned
4.	Social Media for Version 1.2.3		<span>CLOSED</span> Unassigned

### People

Assignee:

Unassigned  
[Assign to me](#)

Reporter:

admin

Votes:

0

Watchers:

[Stop watching this issue](#)

### Dates

Created:

34 minutes ago

Updated:

10 minutes ago

## Other examples of that function

Page: [Block a transition until all sub-tasks have certain fields populated](#)

Page: [Block an epic's transition depending on linked issues status and due date](#)

Page: [Block or hide a transition for an issue depending on its issue links](#)

Page: [Block or unblock a transition after an issue rested a specific time in a status](#)

Page: [Block transition until all sub-tasks are in a specific status category](#)

Page: [Close parent issue when all sub-tasks are closed](#)

Page: [Enforce a field \(Select List\) to be set when another field \(Radio Button\) has a certain value \(works with any kind of field type\)](#)

Page: [Ensure that all issues linked with a certain issue link type have "Due Date" field set](#)

Page: [If field A is populated then, field B must also be populated](#)

Page: [Limit issue creation per role and issue type](#)

Page: [Limit the number of hours a user can log per day](#)

Page: [Limit valid dates for work logs](#)

Page: [Make "Time Spent" field required when there is no time logged in the issue](#)

Page: [Make a custom field mandatory when priority is "Critical" or "Blocker" and issue type is "Incident"](#)

Page: [Make attachment mandatory depending on the value of certain custom field](#)

Page: [Make different fields mandatory depending on the value of a Select List custom field](#)

Page: [Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)

Page: [Make parent issue progress through its workflow](#)

Page: [Prevent issue creation if another issue with same field value already exists](#)

Page: [Reject duplicated file names in attachments](#)

## Related Usage Examples

- [Block or unblock a transition after an issue rested a specific time in a status](#)
  - [example](#)
  - [condition](#)
  - [validator](#)
  - [transition](#)
- [Block transition until all sub-tasks are in a specific status category](#)
  - [example](#)
  - [transition](#)
  - [condition](#)
- [Validation and condition based on time expressions](#)
  - [example](#)
  - [condition](#)
  - [validator](#)
  - [transition](#)
- [Set a condition in a global transition which only applies in a certain status](#)
  - [example](#)
  - [condition](#)
  - [transition](#)
- [Block a transition until all sub-tasks have certain fields populated](#)
  - [example](#)
  - [condition](#)
  - [validator](#)
  - [sub-task](#)
  - [transition](#)
- [Close parent issue when all sub-tasks are closed](#)
  - [example](#)

Page: Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field

Page: Require issue link when resolving as duplicate

Page: Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status

Page: Restrict sub-task type creation depending on parent issue status

Page: Restrict sub-task type creation depending on parent issue type

Page: Set a condition in a global transition which only applies in a certain status

Page: Validate a custom field "Story Points" has been given a value in Fibonacci sequence

Page: Validate compatible values selection among dependent custom fields

Page: Validate only issue links created in transition screen

Page: Validate that multi-user picker custom field A does not contain any user in multi-user picker custom field B

Page: Validation and condition based on time expressions

Page: Validation based on the value of a date type project property

Page: Validation on issue attachments

Page: Validation on MIME types of issue attachments

Page: Validation on sibling sub-tasks depending on issue type and status

Page: Validation on the value of a Cascading Select field

- condition
  - validator
  - post-function
  - sub-task
  - transition
- Proceed with a task only when all sub-tasks are completed
  - example
  - condition
  - validator
  - sub-task
  - transition
- Prevent issue from being closed if it has links of type "is blocked by" to open issues
  - example
  - condition
  - validator
  - issue-links
  - transition
- Automatically resolve an epic when all its stories are resolved
  - example
  - condition
  - validator
  - post-function
  - transition
- Make linked issues, sub-tasks and JQL selected issues progress through its workflows
  - example
  - condition
  - validator
  - post-function
  - issue-links
  - sub-task
  - transition
- Validation on sibling sub-tasks depending on issue type and status
  - example
  - validator
  - sub-task
  - transition
- Block an epic's transition depending on linked issues status and due date
  - example
  - validator
  - issue-links
  - transition
- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress" (Transition issues)
  - example
  - post-function
  - transition
- Transition sub-tasks when parent is transitioned
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Transition only a sub-task among several ones
  - example
  - post-function
  - sub-task
  - transition
  - outdated