

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

Priority: Low

Affects Version/s: None

Labels: None

Status: IN PROGRESS

Resolution: Unresolved

Fix Version/s: 1.2.3

(View Workflow)

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

TODO

Unassigned

People

Assignee: Unassigned

Reporter: admin

Votes: 0


Watchers: 1 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:


Software / SOFT-36

Release 1.2.3

Edit
Comment
Assign
More ▾
Done
Admin ▾
Export ▾

Details

Type:	Release	Status:	IN PROGRESS (View Workflow)
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		CLOSED Unassigned
2.	Blog entry for Version 1.2.3		CLOSED Unassigned
3.	Newsletter for Version 1.2.3		CLOSED Unassigned
4.	Social Media for Version 1.2.3		CLOSED 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](#)
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- [Set a condition in a global transition which only applies in a certain status](#)
 - [example](#)
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- [Block a transition until all sub-tasks have certain fields populated](#)
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- [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
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- Validation on sibling sub-tasks depending on issue type and status
 - example
 - validator
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- Block an epic's transition depending on linked issues status and due date
 - example
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- 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