

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

On this page

- [Features used to implement the example](#)
- [Example: Require at least one subtask of type "QA Sub-task" in status "Resolved" or "Closed" whenever option "Testing required" is selected in Check-Box custom field](#)
- [Other examples of that function](#)
- [Related Usage Examples](#)

Features used to implement the example

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

Example: Require at least one subtask of type "QA Sub-task" in status "Resolved" or "Closed" whenever option "Testing required" is selected in Check-Box custom field

Let us suppose we have a Check Box type custom field called **Issue Options**, and that one of its options is "**Testing required**". We want to add a validator that will force the existence of at least one subtask of type "**QA Subtask**" in status "**Resolved**" or "**Closed**" whenever option "**Testing required**" is checked. To implement that example we have to use validator [Boolean validator with math, date-time or text-string terms](#) with the following configuration:

Boolean expression to be evaluated:
[Line 1 / Col 138]
Syntax Specification and Examples

```

1 !matches(%{13500}, ".*Testing required.*") OR count(filterByStatus(filterByIssueType(subtasks(), "QA Subtask"), "Resolved, Closed")) > 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.

CHECK SYNTAX

NUMERICAL AND DATE-TIME TERMS

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

Original estimate (minutes) - [Number] - {00068}
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).

Summary - [Text] - %{00000}
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.

Skip validation when:
Inhibit the validator under selected circumstances.

☐ Transition is triggered by a **bulk operation**.
☐ Transition is triggered by a **JIRA Workflow Toolbox post-function**.
☐ Current issue is being created by cloning. Only makes sense in *Create Issue* transition.

Message to show when validation fails:

If field "Issue Options" has checked optoin "Testing required" then there must be at least 1 "Testing subtask"

Field code injector:

Summary - [Text] - %{00000}

Field codes with format %(nnnnn) can be inserted in the failure message and its translations, and they will be replaced with actual field values at runtime.

[Set translations for installed languages](#)

The expression used: `!matches(%{13500}, ".*Testing required.*") OR count(filterByStatus(filterByIssueType(subtasks(), "QA Subtask"), "Resolved, Closed")) > 0`

Note that:

- code of field "Issue Options" is `%{13500}`

Function **matches** must be used to evaluate the value of **Issue Options** since that field may have more than one option selected, and the returned value is a comma separated list with selected options. We use regular expression `".*Testing required.*"`, since that regular expression matches any combination where the option **"Testing required"** is selected.

Other examples of that function

Related Usage Examples

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
 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

- Validation on sibling sub-tasks depending on issue type and status
 - example
 - validator
 - sub-task
 - transition
- Restrict sub-task type creation depending on parent issue status
 - example
 - validator
 - sub-task
- Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field
 - example
 - validator
 - sub-task
- Restrict sub-task type creation depending on parent issue type
 - example
 - validator
 - sub-task
- Block a transition until all sub-tasks have certain fields populated
 - example
 - condition
 - validator
 - sub-task
 - transition
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
 - example
 - post-function
 - custom-field
 - sub-task
- 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
- Moving sub-tasks to "Open" status when parent issue moves to "In Progress"
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Moving story to "Ready for QA" once all its sub-tasks are in "Ready for QA" status
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Add and remove a single or a set of items from multi valued fields
 - example
 - post-function
 - custom-field
 - issue-links
 - sub-task
- Automatically close resolved sub-tasks when parent issue is closed
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Change parent's status depending on sub-task's summary
 - example
 - post-function
 - sub-task
 - transition
 - outdated

- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress"
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Close parent issue when all sub-tasks are closed
 - example
 - condition
 - validator
 - post-function
 - sub-task
 - transition