

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

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Features used to implement the example

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

If sub-tasks are raised while the parent is at a status of **"Released"**, the parent cannot be moved to status **"Closed"** until all sub-tasks are closed.

Create a **"Text field (single line)"** custom field in sub-task issue called **"Parent status at sub-task's creation"**

Insert post-function [Copy a parsed text to a field](#) into sub-task's **"Create Issue"** with the following configuration:

Target field:

Parent status at subtask's creation - [Text Field (single line)]

Field to be written with the result of the parsed text.

Parsing Mode:

☒ Basic

Basic mode: Insert field codes anywhere in the text, and they will be replaced with corresponding field values. Field code formats are `%(nnnnn)`, and `%(nnnnn.i)` for Cascading Select fields (i = 0 for base level).

☐ Advanced

Advanced mode: Strings literals are written in double quotes (*"This is a string."*). Operator `*+*` is used to concatenate strings, and field codes are like in basic mode, e.g., *"Issue key is " + %(00015) + " "*. More information at [parser syntax documentation](#).

Text to be parsed and then copied to target field:

Syntax Specification

1 `%(00042)`

Parent's issue status - [Issue status] - %(00042)

Insert String Value

Note that:

- `%(00042)` is field code for **"Parent's issue status"** virtual field
- Beware to introduce that post-function after **"Creates the issue originally"** system post-function

Insert [Boolean validator with math, date-time or text-string terms](#) validator into **"Close issue"** transition in parent's workflow with the following configuration:

Boolean expression to be evaluated:

Syntax Specification

```
1 count(filterByPredicate(subtasks(), ^{%11900} = "Released" AND ^{%00016} != "Closed")) = 0
```

Logical connectives: **or**, **and** 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}**.

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).

Parent status at subtask's creation - [Text Field (single line)] - %{11900}

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.

Message to show when validation fails:

There is at least a non-closed subtask that was created when parent issue was in "Released".

Boolean expression used is: `count(filterByPredicate(subtasks(), ^{%11900} = "Released" AND ^{%00016} != "Closed")) = 0`

Note that:

- **{11900}** is field code for **"Parent status at subtask's creation"** custom field in my particular JIRA instance. You should replace **11900** with the field code in your Jira instance
- **{00016}** is field code for **"Issue status"**

Other examples of that functions

Boolean validator with math, date-time or text-string terms

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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"](#)

Related Usage Examples

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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

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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

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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

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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

Copy a parsed text to a field

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Page: Add current user to comment

Page: Add or remove request participants

Page: Add watchers from a part of the issue summary: "Summary_text - watcher1, watcher2, watcher3, ..."

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Page: Parse Email addresses to watchers list

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

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 - outdated
- Moving story to "Ready for QA" once all its sub-tasks are in "Ready for QA" status
 - example
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 - outdated
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 - example
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 - outdated
- Change parent's status depending on sub-task's summary
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 - transition
 - outdated
- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress"
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 - example
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 - example
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 - example
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- Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status
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