

# Condition and validation on sub-tasks

This function has been **renamed** with the [JWT 3.0](#) release.

Find the new documentation at:

[Condition on sub-tasks](#)

[Validation of sub-tasks](#)

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## Purpose

**Condition on sub-tasks** and **Validation on sub-tasks** are two forms of a same feature for setting restrictions in workflow transitions in relation with current issue's sub-tasks.

Restriction on sub-tasks apply to the following characteristics of subtasks:

- **Issue type** of subtasks
- **Status** of subtasks
- **Resolution** of subtasks
- **Number** of subtasks
- **Value of subtask's fields**

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## Example: QA Sub-tasks must be in "Resolved", "Closed" or "Done" status, with "Fixed" resolution, and consistent field "Components".

In this example we show the configuration of a validation for requiring that all current issue's **"QA Sub-task"** subtasks are in **"Resolved"**, **"Closed"** or **"Done"** status, and with resolution set to **"Fixed"**. It also requires that field **"Components"** in **"QA Sub-task"** is among parent's selected components.

The validation set in this example doesn't apply any restriction to subtasks different from **"QA Sub-task"**.

<b>Subtask's issue types:</b>	<input checked="" type="checkbox"/>  QA Sub-task <span style="float: right;">?</span> <input type="checkbox"/>  Sub-task <p>Selected issue types will be allowed. Nevertheless, if you didn't select any issue type, and checked "Allow unselected issue types", there won't be applied any filter by issue type, i.e., every issue type will be allowed.</p>
<b>Subtask's statuses:</b>	<input type="checkbox"/>  Open <input type="checkbox"/>  In Progress <input type="checkbox"/>  Reopened <input checked="" type="checkbox"/>  Resolved <input checked="" type="checkbox"/>  Closed <input type="checkbox"/>  To Do <input checked="" type="checkbox"/>  Done <input type="checkbox"/>  Acceptance <p>Subtasks in selected statuses will be allowed. Nevertheless, if you didn't select any issue status, and checked "Allow unselected statuses", there won't be applied any filter by status, i.e., every issue status will be allowed.</p>
<b>Subtask's resolutions:</b>	<input type="checkbox"/> <b>UNRESOLVED</b> , i.e. no resolution value <input checked="" type="checkbox"/> Fixed <input type="checkbox"/> Won't Fix <input type="checkbox"/> Duplicate <input type="checkbox"/> Incomplete <input type="checkbox"/> Cannot Reproduce <p>Subtasks with selected resolutions will be allowed. Nevertheless, if you didn't select any issue resolution, and checked "Allow unselected resolutions", there won't be applied any filter by resolution, i.e., every resolution will be allowed.</p>

**Filtering by field values:**

Optional boolean expression that should be satisfied by subtasks. (Syntax Specification)

1 ^%{00094} in %{00094}

Leave field empty for no filtering.

[ Line 1 / Col 23 ]

**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.

**String Field Code Injector:**

Components - [Components] - %{00094} ▾

Field Code for **Current Issue**

Field Code for **Subtasks**

**Numeric/Date Field Code Injector:**

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

Field Code for **Current Issue**

Field Code for **Subtasks**

Example 1: **{00012} <= ^{00012}** will require that subtasks have *Due Date* equal or later than current issue's *Due Date*.

Example 2: **{00074} ~ ^{00074} AND ^{00017} in ["Blocker", "Critical"]** will require that subtasks have *Fixed versions* contained in current issue's *Fixed versions* and *Priority* is *Blocker* or *Critical*.

Check Syntax

**Minimum required number of subtasks:**

0

Minimum number of subtasks required to satisfy selected filtering conditions (issue type, status, resolution and field values).

**Maximum allowed number of subtasks:**

1000

Maximum number of subtasks allowed to satisfy selected filtering conditions (issue type, status, resolution and field values).

**Allow unselected issue types:**

Subtasks in unselected issue types will be ignored, i.e., they will be allowed regardless of their status, resolution, field values and number. Nevertheless, if none of the issue types are selected, checking this option will make the condition behave as if you had selected every issue type.

**Allow unselected statuses:**

Subtasks in unselected statuses will be ignored, i.e., they will be allowed regardless of their resolution, field values and number. Nevertheless, if none of the statuses are selected, checking this option will make the condition behave as if you had selected every status.

**Allow unselected resolutions:**

Subtasks in unselected resolutions will be ignored, i.e., they will be allowed regardless of their field values and number. Nevertheless, if none of the resolutions are selected, checking this option will make the condition behave as if you had selected every resolution.

**Allow unsatisfied condition on field values:**

Subtasks not satisfying filter by field values will be ignored, i.e., they will be allowed regardless of their number.

**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.

<b>Message to show when validation fails:</b>	<p>QA Subtask must be in 'Resolved', 'Closed' or 'Done' status with 'Fixed' resolution. Components should also be included in Parent's Components.</p> <p>Field code injector:</p> <p>Summary - [Text] - %{00000} ▾</p> <p>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.</p> <p><a href="#">Hide translations for installed languages</a></p>
<b>Language</b>	<b>Validation Failure Message Translations</b>
alemán (Alemania)	<input type="text"/>
coreano (Corea del Sur)	<input type="text"/>
español (España)	Las Subtareas de Calidad deben estar en estados 'Resuelto', 'Cerrado' o 'Hecho' con resolución 'Solucionado'. Los componentes deben estar entr
francés (Francia)	<input type="text"/>
inglés (Estados Unidos)	<input type="text"/>
inglés (UK)	<input type="text"/>
japonés (Japón)	<input type="text"/>
portugués (Brasil)	<input type="text"/>
ruso (Rusia)	<input type="text"/>

Once configured, the validation looks like this:

Triggers 0	Conditions 1	Validators 1	Post Functions 6
<p><b>The transition requires the following criteria to be valid</b> <a href="#">Add validator</a></p> <p><b><u>Validation on subtasks:</u></b>  <u>At least 0 and no more than 1000 subtasks with the following characteristics:</u></p> <ul style="list-style-type: none"> <li>- Issue types: <b>QA Sub-task</b>.</li> <li>- Statuses: <b>Done, Closed</b> or <b>Resolved</b>.</li> <li>- Resolutions: <b>Fixed</b>.</li> <li>- Subtasks should satisfy: <b>^%{Components} in %{Components}</b></li> </ul> <p><u>About the rest of subtasks:</u></p> <ul style="list-style-type: none"> <li>- Unselected <u>issue types</u> are <b>allowed</b>.</li> <li>- Unselected <u>statuses</u> are <b>not allowed</b>.</li> <li>- Unselected <u>resolutions</u> are <b>not allowed</b>.</li> <li>- Linked issues <u>not satisfying filter by field values</u> are <b>not allowed</b>.</li> </ul> <p>Message to show when validation fails: <b>"QA Subtask must be in 'Resolved', 'Closed' or 'Done' status with 'Fixed' resolution. Components should also be included in Parent's Components."</b>, providing translations for the following languages: <b>español (España)</b>.</p>			

## Configuration Parameters

### Sub-task's issue types

This parameter **filters by issue type** the subtasks that will be affected by the restriction (condition or validation).

For **selecting all the issue types**, don't check any issue type, but check parameter **"Allow unselected issue types"**.

## Sub-task's statuses

This parameter **filters by status** the subtasks that will be affected by the restriction (condition or validation).

For **selecting all the statuses**, don't check any status, but check parameter "**Allow unselected statuses**".

## Sub-task's resolutions

This parameter **filters by resolution** the subtasks that will be affected by the restriction (condition or validation).

For **selecting all the resolutions** (including resolution not set), don't check any resolution, but check parameter "**Allow unselected resolutions**".

## Filtering by field values

This parameter **filters by field value** (custom field or system field) the subtasks that will be affected by the restriction (condition or validation).

Leaving this parameter empty doesn't set any filter by field value.

This parameter sets a restriction in form of **boolean expression** (logical predicate) that should be satisfied by subtasks.

Field codes with formats **{nnnnn}** and **{nnnnn}** represent **field values in current issue**. For representing **field values in subtasks** field codes should be preceded by **^** prefix, i.e., **^{nnnnn}** and **^{nnnnn}**.

Examples:

- **{00012} <= ^{00012}** requires that **sub-tasks** have "**Due date**" equal or later than **current issue's "Due date"**.
- **{00074} ~ ^{00074} AND ^{00017} in ["Blocker", "Critical"]** requires that **sub-tasks** have "**Fixed versions**" contained in **current issue's "Fixed versions"** and **Priority** is equal to **Blocker** or **Critical**.

## Minimum required number of subtasks

Is the **minimum** number of sub-tasks **required to satisfy selected filtering conditions** (issue type, status, resolution and field values).

## Maximum allowed number of subtasks

Is the **maximum** number of sub-tasks **allowed to satisfy selected filtering conditions** (issue type, status, resolution and field values).

## Allow unselected issue types

Sub-tasks in **unselected issue types will be ignored**, i.e., they will not be applied any restriction.

If none of the issue types are selected, checking this option will make the condition behave as if you had selected all issue types.

## Allow unselected statuses

Sub-tasks in **unselected statuses will be ignored**, i.e., they will not be applied any restriction.

If none of the statuses are selected, checking this option will make the condition behave as if you had selected all statuses.

## Allow unselected resolutions

Sub-tasks in **unselected resolutions (including resolution not set) will be ignored**, i.e., they will not be applied any restriction.

If none of the resolutions are selected, checking this option will make the condition behave as if you had selected all resolutions (including resolution not set).

## Allow unsatisfied condition on field values

Sub-tasks **not satisfying filter by field values will be ignored**, i.e., they will not be applied any restriction by number of subtasks.

## Message to show when validation fails

This parameter is only available in the **validator** form of this feature. It's a **custom message** to explain the user the cause that is preventing him/her from executing the transition.

**Translations** to every language installed in the JIRA instance can be optionally entered.

When using **Condition on sub-tasks** the transition is simply hidden whenever condition isn't satisfied, so this parameter is not present.

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## Usage Examples

Page: [Close parent issue when all sub-tasks are closed](#)  
Page: [Enforce certain type of sub-tasks to be "Resolved" to allow executing a transition](#)  
Page: [Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)  
Page: [Make parent issue progress through its workflow](#)  
Page: [Proceed with a task only when all sub-tasks are completed](#)  
Page: [Transition parent issue only when certain issue sub-task types are done](#)

## Related Features

- [Block or hide a transition for an issue depending on its issue links](#)
- [Condition and validation based on JQL query](#)
- [Boolean condition and validator with math, date-time or text-string terms](#)