Condition on sub-tasks

This condition can hide a transition based on the **state** and the **number** of an issue's **sub-tasks**.

The condition **only makes sense** when used in a workflow used by **standard issue** types.

You can specify multiple filter criteria that will be "**and concatenated**". By default, **all sub-tasks** must match the combination of **all criteria.**

⚙️ Configuration

Filter by issue type

If you select specific **issue types**, **all sub-tasks** must be of any of the selected **issue types**. If sub-tasks with other issue types are found, the condition will **fail**.

The additional filters can be used to **further restrict** the issues to be analyzed.

> If you leave this filter **blank**, e.g. if the issue type is irrelevant, you must check the additional option **Skip issue type filter / issues in unselected issue types.**
>
> If you select specific issue types **and also** check the additional option **Skip issue type filter / issues in unselected issue types**, the additional criteria (status, resolution, field value) will **only be applied** to the selected issue types.

Filter by status

If you select specific **statuses**, **all sub-tasks** must be in any of the selected **statuses**. If sub-tasks with other statuses are found, the condition will **fail**.

The additional filters can be used to **further restrict** the issues to be analyzed.

> If you leave this filter **blank**, e.g. if the status is irrelevant, you must check the additional option **Skip status filter / issues in unselected statuses.**
>
> If you select specific statuses **and also** check the additional option **Skip status filter / issues in unselected statuses**, the additional criteria (issue type, resolution, field value) will **only be applied** to the issues in the selected statuses.

Filter by resolution

If you select specific **resolutions**, **all sub-tasks** must have any of the selected **resolutions**. If sub-tasks with other resolutions are found, the condition will **fail**.

The additional filters can be used to **further restrict** the issues to be analyzed.

> If you leave this filter **blank**, e.g. if the resolution is irrelevant, you must check the additional option **Skip resolution filter / issues with unselected resolutions.**
>
> If you select specific resolutions **and also** check the additional option **Skip status filter / issues in unselected statuses**, the additional criteria (issue type, resolution, field value) will **only be applied** to the issues with the selected resolutions.

Filter by field value

Optionally limit the sub-tasks to be counted or analyzed by their **field values**. To achieve this you must enter an expression in Logical mode. The expression must return `true` or `false`.

Examples:

Expression	Description
`%{seed.issue.assignee} != null`	**All sub-tasks** must be **assigned** to a user. If **unassigned** sub-tasks are found, the condition will **fail**.
	Values in sub-tasks have to be referenced by their seed field codes.
`%{issue.dueDate} <= %{seed.issue.dueDate}`	**All sub-tasks** must have a **due date** of **equal** to or **later** than the current issue's due date.
	Values in sub-tasks have to be referenced by their seed field codes.

If you specify an expression **and also** check the additional option **Skip issues with unmatched field values**, the additional criteria (issue type, resolution, field value) will **only be applied** to the issues that match the expression.

Minimum number of sub-tasks

Specify the **minimum number** of sub-tasks that need to satisfy the specified filter criteria. The default value is 0 to ensure the condition passes if the current issue **does not have** any sub-tasks.

If you set this number to **1**, the condition will **fail** if the issue does not have any sub-tasks **or** if the existing sub-tasks don't match the specified filter criteria.

Maximum number of sub-tasks

Specify the **maximum number** of sub-tasks that need to satisfy the specified filter criteria. The default value is 1000.

If you set this number to **1**, the condition will **fail** as soon as **more than one** sub-task satisfies the specified filter criteria.

Additional options

The following options can be used to **refine the number of issues** you want to analyze in this condition.

Per default all **filters** are **mandatory, filters** are **"and concatenated"** and you cannot save your configuration unless you have specified values. Any sub-task being analyzed by the condition **must match all criteria**.

If you leave a filter **blank** you **must** check the additional option to skip the filter. Otherwise you cannot save your configuration.

The additional options allow you to override the default behavior.

Filter	Additional option	Description
No value selected	Not checked ❌	**Not possible**. If you want to skip the filter you have to uncheck the corresponding additional option.
No value selected	Checked ✅	**Skip** this filter completely. An equivalent would be to select all available options, e.g. all issue types are allowed.
One or multiple values selected	Not checked ❌	**Enforce** that all sub-tasks which are analyzed **must** have the selected values, e.g. only selected issue types are allowed.
One or multiple values selected	Checked ✅	Issues not matching the specified value **are allowed** and will be ignored when evaluating whether the **condition passes**.

By default, whenever a value is selected in a filter it will be combined with all other filter criteria and **all sub-tasks** must match the filter combination.

If you only want to analyze specific issue types (e.g. "Test cases"), select "Test case" in the issue type filter and check the corresponding additional option. This way, other sub-tasks (which are not "Test cases") can exist and will not be considered.

Examples

The table below lists a few example configurations and their **JQL** equivalent.

Configuration	JQL
- Issue type: Sub-task - Status: Closed - Resolution: blank - Additional options: **Skip resolution filter**	`type = Sub-task AND status = Closed`
- Issue type: Sub-task - Status: Closed - Resolution: blank - Additional options: **Skip issue type filter** **Skip resolution filter**	`(type = Sub-task AND status = Closed) OR type != Sub-task`
- Issue type: Sub-task - Status: Closed - Resolution: Done - Additional options: **Skip issue type filter** **Skip resolution filter**	`(type = Sub-task AND status = Closed AND and resolution = Done) OR type != Sub-task OR resolution != Done`

Option	Description
Skip issue type filter / issues in unselected issue types	The issue type is irrelevant for this condition or sub-tasks in non-selected issue types will be ignored when evaluating whether the condition passes.
Skip status filter / issues in unselected statuses	The status is irrelevant for this condition or sub-tasks in non-selected statuses will be ignored when evaluating whether the condition passes.

Skip resolution filter / issues with unselected resolutions	The resolution is irrelevant for this condition or sub-tasks with non-selected resolutions will be ignored when evaluating whether the condition passes.
Skip issues with unmatched field values	Field values are irrelevant for this condition or sub-tasks with unmatched field values will be ignored when evaluating whether the condition passes.

If you want to use this functionality in a **validator** instead, have a look at the following validator: Validation of sub-tasks

Use cases and examples

Use case	JWT feature	Workflow function	Parser functions	Label
All sub-tasks in the Closed status must have a specific resolution	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
Close parent issue only when all sub-tasks are closed	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
Proceed with a task only when all sub-tasks are completed	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
An issue must have at least 3 resolved Test Cases	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
All sub-tasks with a resolution of Done must be in a specific status	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
All sub-tasks must be resolved	🔓🔍	Condition on sub-tasks Validation of sub-tasks		**STAFF PICK**
All sub-tasks must be Done or Closed	🔓🔍	Condition on sub-tasks Validation of sub-tasks		
Specific sub-tasks must be resolved	🔓🔍	Condition on sub-tasks Validation of sub-tasks		

If you still have questions, feel free to refer to our support team.