

# Prevent transitioning when there is a blocking issue

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## Features used to implement the example

- [Validation on linked issues](#)
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## Example: Prevent transitioning when there is a blocking issue

I'm sure that what I want to do is really simple, but can't work out the syntax to do it. I've got 4 sub-tasks, call them **Sub-Task 1**, **Sub-Task 2**, **Sub-Task 3**, **Sub-Task 4**. Links have been set up so that **Sub-Task 1 blocks the other 3**.

I want to modify the workflow so that Sub-Tasks 2, 3 and 4 cannot be transitioned (on a Scrum board) from "**In Progress**" to "**Completed**" until **Sub-Task 1** has been **Completed (Status = Resolved)** or **Accepted (Status = Closed)** but can't work out what check boxes to set. I've tried a few combinations but nothing I've tried has restricted the transition.

I show you how to do it using [Validation on linked issues](#) in screenshots:

Inward issue link types:	<input checked="" type="checkbox"/> is blocked by <input type="checkbox"/> is cloned by <input type="checkbox"/> is duplicated by <input type="checkbox"/> relates to  <small>Only selected issue link types are allowed.</small>
Outward issue link types:	<input type="checkbox"/> blocks <input type="checkbox"/> clones <input type="checkbox"/> duplicates <input type="checkbox"/> relates to  <small>Only selected issue link types are allowed.          If you don't select any inward or outward issue link type and check "Issue link types not selected are allowed", there won't be applied any filter by issue link type.</small>
Issue types for linked issues:	<input type="checkbox"/> Bug <input type="checkbox"/> Improvement <input type="checkbox"/> New Feature <input type="checkbox"/> Task <input type="checkbox"/> Sub-task  <small>Only selected issue types are allowed to be linked with current issue.          If you don't select any issue type and check "Issue types not selected are allowed" there won't be applied any filter by issue type.</small>
Statuses for linked issues:	<input type="checkbox"/> Open <input type="checkbox"/> In Progress <input type="checkbox"/> Reopened <input checked="" type="checkbox"/> Resolved <input checked="" type="checkbox"/> Closed  <small>Only linked issues in selected statuses are allowed.          If you don't select any issue status and check "Statuses not selected are allowed" there won't be applied any filter by issue status.</small>
Minimum required number of issue links:	<input type="text" value="0"/>
Maximum allowed number of issue links:	<input type="text" value="9999"/>
Linked issues belong to:	<input checked="" type="radio"/> any project <input type="radio"/> current project <input type="radio"/> any but current project <input type="radio"/> projects introduced <input type="text" value=""/> <small>Introduce a comma separated list of project keys. If you write field codes they will be replaced with its values.</small> <input type="checkbox"/> ignore links to issues in other projects
Issue link types not selected are allowed:	<input checked="" type="checkbox"/>
Issue types not selected are allowed:	<input checked="" type="checkbox"/>
Statuses not selected are allowed:	<input type="checkbox"/>
Message to show when validation fails:	<input type="text" value="You can't execute this transition due to a blocking issue."/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

Once configured, the transition looks like this:

**All** **Conditions** (1) **Validators** (1) **Post Functions** (7)

□ **Add** a new validator to check the input parameters before this transition is executed.

Validation on linked issue:

Allowed inward issue link types: **is blocked by**.

Allowed outward issue link types: **any**

Allowed issue types: **any**

Allowed issue statuses: **Resolved** and **Closed**.

Minimum number of issue links required: **0**

Maximum number of issue links allowed: **9999**

Linked issues can belong to **any** project.

Issue link types not selected are **allowed**.

Issue types not selected are **allowed**.

Statuses not selected are **not allowed**.

Message to show when validation fails: **You can't execute this transition due to a blocking issue.**

[Edit](#) | [Delete](#)

## Alternative implementation

Another way to do it by forbidding statuses:

Inward issue link types:	<input checked="" type="checkbox"/> is blocked by <input type="checkbox"/> is cloned by <input type="checkbox"/> is duplicated by <input type="checkbox"/> relates to  <small>Only selected issue link types are allowed.</small>
Outward issue link types:	<input type="checkbox"/> blocks <input type="checkbox"/> clones <input type="checkbox"/> duplicates <input type="checkbox"/> relates to  <small>Only selected issue link types are allowed.          If you don't select any inward or outward issue link type and check "Issue link types not selected are allowed", there won't be applied any filter by issue link type.</small>
Issue types for linked issues:	<input type="checkbox"/> Bug <input type="checkbox"/> Improvement <input type="checkbox"/> New Feature <input type="checkbox"/> Task <input type="checkbox"/> Sub-task  <small>Only selected issue types are allowed to be linked with current issue.          If you don't select any issue type and check "Issue types not selected are allowed" there won't be applied any filter by issue type.</small>
Statuses for linked issues:	<input checked="" type="checkbox"/> Open <input checked="" type="checkbox"/> In Progress <input checked="" type="checkbox"/> Reopened <input type="checkbox"/> Resolved <input type="checkbox"/> Closed  <small>Only linked issues in selected statuses are allowed.          If you don't select any issue status and check "Statuses not selected are allowed" there won't be applied any filter by issue status.</small>
Minimum required number of issue links:	<input type="text" value="0"/>
Maximum allowed number of issue links:	<input type="text" value="0"/>
Linked issues belong to:	<input checked="" type="radio"/> any project <input type="radio"/> current project <input type="radio"/> any but current project <input type="radio"/> projects introduced <input type="text" value=""/> <small>Introduce a comma separated list of project keys. If you write field codes they will be replaced with its values.</small> <input type="checkbox"/> ignore links to issues in other projects
Issue link types not selected are allowed:	<input checked="" type="checkbox"/>
Issue types not selected are allowed:	<input checked="" type="checkbox"/>
Statuses not selected are allowed:	<input checked="" type="checkbox"/>
Message to show when validation fails:	<input type="text" value="You can't execute this transition due to a blocking issue."/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

Once configured the transition looks like this:

**All**   **Conditions (1)**   **Validators (1)**   **Post Functions (7)**

☐ **Add** a new validator to check the input parameters before this transition is executed.

Validation on linked issue:

Allowed inward issue link types: **is blocked by**.

Allowed outward issue link types: **any**

Allowed issue types: **any**

Allowed issue statuses: **In Progress, Reopened and Open**.

Minimum number of issue links required: **0**

Maximum number of issue links allowed: **0**

Linked issues can belong to **any** project.

Issue link types not selected are **allowed**.

Issue types not selected are **allowed**.

Statuses not selected are **allowed**.

Message to show when validation fails: **You can't execute this transition due to a blocking issue.**

[Edit](#) | [Delete](#)

## Other examples of that function

Page: [Block an epic's transition depending on linked issues status and due date](#)

Page: [Block creation of issue type X if it has not been linked with link type Y to issue type Z on the "Create Issue" screen](#)

Page: [Block or hide a transition for an issue depending on its issue links](#)

Page: [Enforce linked issues in a specific project to be "Closed" before closing issue](#)

Page: [Prevent issue from being "Closed" if blocking issues aren't yet closed](#)

Page: [Prevent issue from being closed if it has links of type "is blocked by" to open issues](#)

Page: [Prevent issue from moving forward if it's dependent on non-accepted tickets](#)

Page: [Prevent transitioning when there is a blocking issue](#)

Page: [Validate only issue links created in transition screen](#)

## Related Usage Examples

- [Prevent transitioning when there is a blocking issue](#)
  - [example](#)
  - [validator](#)
  - [issue-links](#)
  - [sub-task](#)
  - [transition](#)
- [Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)
  - [example](#)
  - [condition](#)
  - [validator](#)
  - [post-function](#)
  - [issue-links](#)
  - [sub-task](#)
  - [transition](#)
- [Add and remove a single or a set of items from multi valued fields](#)
  - [example](#)
  - [post-function](#)
  - [custom-field](#)
  - [issue-links](#)
  - [sub-task](#)
- [Sum "Time Spent" in all sub-tasks of issues linked with issue link types "LinkA", "LinkB", "LinkC"](#)
  - [example](#)
  - [post-function](#)
  - [issue-links](#)
  - [sub-task](#)
  - [work-log](#)
- [Sum sub-task's "Time Spent" \(work logs\) and add it to a certain linked issue](#)
  - [example](#)
  - [post-function](#)
  - [issue-links](#)
  - [sub-task](#)
  - [work-log](#)
- [Block an epic's transition depending on linked issues status and due date](#)
  - [example](#)
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- Prevent issue from moving forward if it's dependent on non-accepted tickets
  - example
  - validator
  - issue-links
  - transition
- Enforce linked issues in a specific project to be "Closed" before closing issue
  - example
  - validator
  - issue-links
  - transition
- Block or hide a transition for an issue depending on its issue links
  - example
  - validator
  - issue-links
  - transition
- Prevent issue from being "Closed" if blocking issues aren't yet closed
  - example
  - validator
  - issue-links
  - transition
- Prevent issue from being closed if it has links of type "is blocked by" to open issues
  - example
  - condition
  - validator
  - issue-links
  - transition
- Transition linked issues in currently active sprint
  - example
  - post-function
  - issue-links
  - transition
- Validation on sibling sub-tasks depending on issue type and status
  - example
  - validator
  - sub-task
  - transition
- Block a transition until all sub-tasks have certain fields populated
  - example
  - condition
  - validator
  - sub-task
  - transition
- Transition sub-tasks when parent is transitioned
  - example
  - post-function
  - sub-task
  - transition
  - outdated