

# Automatically become watcher of every issue blocking an issue assigned to you

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## Features used to implement the example

- [Write field on linked issues or sub-tasks](#)
- Virtual field "New watchers"

## Example: Automatically become watcher of every issue blocking an issue assigned to you

We may be interested in automatically making an assignee watcher of every issue blocking the current issue, in order to react as soon as possible to any change in those issues. Post-function [Write field on linked issues or sub-tasks](#) is used to write the name of current issue's assignee into the virtual field "New watchers" of those issues linked with current issue using a "is blocked by" issue link. We will also become watcher of **every issue transitively blocking our issue**, i.e., any issue blocking another issue which is itself blocking current issue.

**ISSUE A** --blocks--> **ISSUE B** --blocks--> **ISSUE C** --blocks--> **ISSUE D**, in this example **issue A** is blocking directly **issue B** and transitively **issue C** and **D**. To implement this behavior we simply have to check option "Write linked issues and sub-tasks recursively" in post-function [Write field on linked issues or sub-tasks](#).

We use post-function [Write field on linked issues or sub-tasks](#) to write field "Assignee" into virtual field "New watchers" in all blocking issues:

Source value that will be written into target field: ?	<div>Select a source type:<ul style="list-style-type: none"><li><input checked="" type="radio"/> field in current issue expression</li><li><input type="radio"/> parsed text (basic mode)</li><li><input type="radio"/> parsed text (advanced mode)</li><li><input type="radio"/> math or date-time</li></ul><div>Assignee - [User]</div><div>The value of selected field in current issue will be used as source.</div></div>
Target field that will be set in linked issues or subtasks:	<div>New watchers - [Multi-user]</div> <div><input type="checkbox"/> Don't overwrite target field if it's already set.</div>
Filtering by issue link type:	<div><div><input checked="" type="checkbox"/> is blocked by</div><div><input type="checkbox"/> blocks</div><div><input type="checkbox"/> is cloned by</div><div><input type="checkbox"/> clones</div><div><input type="checkbox"/> is duplicated by</div><div><input type="checkbox"/> duplicates</div><div><input type="checkbox"/> has Epic</div><div><input type="checkbox"/> is Epic of</div><div><input type="checkbox"/> is caused by</div><div><input type="checkbox"/> causes</div><div><input type="checkbox"/> relates to</div><div><input type="checkbox"/> relates to</div></div> <div>Only issues linked to current issue by selected issue link types will be written.</div>
Write also subtasks fulfilling condition on issue type, status and project:	<div><input type="checkbox"/></div> <div>This option only makes sense when current issue itself is not a subtask.</div>
Write also sibling subtasks fulfilling condition on issue type, status and project:	<div><input type="checkbox"/></div> <div>Sibling subtasks are understood as subtasks with the same parent as current issue. This option only makes sense when current issue is itself a subtask.</div>
Filtering linked issues or subtasks by issue type:	<div><div><input type="checkbox"/> Epic</div><div><input type="checkbox"/> Story</div><div><input type="checkbox"/> Test Plan</div><div><input type="checkbox"/> Bug</div><div><input type="checkbox"/> New Feature</div><div><input type="checkbox"/> Task</div><div><input type="checkbox"/> Improvement</div><div><input type="checkbox"/> QA Sub-task</div><div><input type="checkbox"/> Sub-task</div></div> <div>Selected issue types will be written, but if you don't select any, it won't be applied any filter by issue type. In that case all the issue types will be written.</div>

Filtering linked issues or subtasks by status:

- ☐ Open
- ☐ In Progress
- ☐ Reopened
- ☐ Resolved
- ☐ Closed
- ☐ To Do
- ☐ Done
- ☐ Acceptance
- ☐ Fail
- ☐ Pass
- ☐ Retest
- ☐ Active
- ☐ Inactive

Selected statuses will be written, but if you don't select any, it won't be applied any filter by status. In that case issues in any status will be written.

Linked issues or subtasks belong to:

- ☒ any project
- ☐ current project
- ☐ any but current project

Filtering by field values:

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

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Leave field empty for no filtering.

[ Line 1 / Col 1 ]

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.

Check Syntax

String Field Code Injector:

Summary - [Text] - %{00000}

Field Code for Current Issue

Field Code for Linked Issues / Subtasks

Numeric/Date Field Code Injector:

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

Field Code for Current Issue

Field Code for Linked Issues / Subtasks

Example 1: `{00012} <= ^{00012}` will require that linked issues and 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 linked issues and subtasks have *Fixed versions* contained in current issue's *Fixed versions* and *Priority* is *Blocker* or *Critical*.

Write linked issues and subtasks recursively:



Issues and subtasks transitively linked will also be written, provided they fulfill stated filtering conditions. Issues are written recursively without depth limit, but each selected issue is written only once.

**Conditional execution:**  
Optional boolean expression that should be satisfied in order to actually execute the post-function.  
(Syntax Specification)

1

Leave the field empty for executing the post-function unconditionally.

Collection of Examples

[ Line 1 / Col 1 ]

Logical connectives: and, or and not. Alternatively you can also use &, | and !.  
Comparison operators: =, !=, >, >=, < and <=. Operators in, not in, any in, none in, ~ and != 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:  
Summary - [Text] - %{00000}

Numeric/Date Field Code Injector:  
Original estimate (minutes) - [Number] - {00068}

Check Syntax

**Run as:**  
Select the user that will be used to execute this feature. JIRA will apply restrictions according to the permissions, project roles and groups of the selected user.

Current user

User defined by a field.
Input a specific user.

Once configured, the transition will look like this:

The following will be processed after the transition occurs

Add post function

1. Value of field **Assignee** in current issue will be copied to field **New watchers** in linked issues or subtasks filtering by:  
Inward issue link types: **is blocked by**.  
Outward issue link types: **none**  
**Subtasks won't be written.**  
**Sibling subtasks won't be written.**  
Issue types: **any**  
Statuses: **any**  
Linked issues or subtasks may belong to **any** project.  
Linked issues or subtasks will be **written recursively**.  
This feature will be run as user in field **Current user**.

## Other examples of that function

Page: [Add and remove a single or a set of items from multi valued fields](#)  
Page: [Automatically become watcher of every issue blocking an issue assigned to you](#)  
Page: [Automatically close resolved sub-tasks when parent issue is closed](#)  
Page: [Automatically resolve an epic when all its stories are resolved](#)  
Page: [Compose dynamic text by inserting field values in a text template](#)  
Page: [Copy "Due date" into a date type custom field in a linked issue if it's greater than current issue's "Due date"](#)  
Page: [Copy attachments from one issue to another](#)  
Page: [Create a comment in sub-tasks when parent transitions](#)  
Page: [Creating a Jira Service Desk internal comment](#)  
Page: [Creating a Jira Service Desk internal comment on linked issues](#)  
Page: [Execute transition in epic](#)  
Page: [Make linked issues, sub-tasks and JQL selected issues progress through its workflows](#)  
Page: [Moving sub-tasks to "Open" status when parent issue moves to "In Progress"](#)  
Page: [Sum sub-task's "Time Spent" \(work logs\) and add it to a certain linked issue](#)  
Page: [Transition sub-tasks when parent is transitioned](#)

## Related Usage Examples

- Validate only issue links created in transition screen
  - example
  - validator
  - issue-links
- Require issue link when resolving as duplicate
  - example
  - validator
  - issue-links
- Ensure that all issues linked with a certain issue link type have "Due Date" field set
  - example
  - validator
  - issue-links
- Block an epic's transition depending on linked issues status and due date
  - example
  - validator
  - issue-links
  - transition
- Add and remove a single or a set of items from multi valued fields

- example
  - post-function
  - custom-field
  - issue-links
  - sub-task
- Writing a comment to blocked issues when blocking issues are resolved
  - example
  - post-function
  - issue-links
- 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 transitioning when there is a blocking issue
  - example
  - validator
  - issue-links
  - sub-task
  - transition
- Prevent issue from being "Closed" if blocking issues aren't yet closed
  - example
  - validator
  - issue-links
  - transition
- 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
  - example
  - validator
  - issue-links
- 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
- Automatically become watcher of every issue blocking an issue assigned to you
  - example
  - post-function
  - issue-links