Transition sub-tasks when parent is transitioned

On this page

Features used to implement the example

- **Write field on linked issues or sub-tasks**
- Virtual fields "**Issue status**" or "**Execute transition**": writing into these fields the **name of an status** or the **name of a transition** respectively, makes an issue progress through its workflow, provided conditions and validators in the transition are satisfied

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This example is considered **outdated**. Please head over to the one using our **Transition issues** post function **here**.

Example: Automatically transition sub-tasks to certain status when parent issue is transitioned to another status

We are going to explain how we can automatically move all sub-tasks to a certain status in sub-task's workflow, when parent issue is moved to another status in parent's issue workflow.

In this example we suppose that both parent's and sub-task's workflows have a status called "**Cancelled**". We want to automatically cancel all sub-tasks when parent issue is cancelled. We also suppose that there is a global transition called "**Cancel Issue**" in both workflows (parent's and sub-task's) which has as target status "**Cancelled**".

To implement this use case we insert **Write field on linked issues or sub-tasks** post-function in transition "**Cancel Issue**" in parent's workflow, using the following configuration:

Source value that will be written into target field:

Select a source type:

○ **field** in current issue ◉ **parsed text** (**basic** mode) ○ **parsed text** (**advanced** mode) ○ **math** or **date-time** expression

[Line 1 / Col 14]

```
1 Cancel Issue
```

Field codes with format `%{nnnnn}` will be replaced with the corresponding field values. With **Cascading Select** fields use `%{nnnnn.0}` and `%{nnnnn.1}` for referencing **base** level and **child** levels respectively.

Check Syntax

String Field Code Injector:

Summary - [Text] - %{00000}

Field Code for **Current** Issue | Field Code for **Linked Issues / Subtasks**

Numeric/Date-Time Field Code Injector:

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

Field Code for **Current** Issue | Field Code for **Linked Issues / Subtasks**

Target field that will be set in linked issues or subtasks:

Execute transition - [Workflow transition]

☐ Don't overwrite target field if it's already set.

Filtering by issue link type:

- ☐ is blocked by
- ☐ blocks
- ☐ is cloned by
- ☐ clones
- ☐ is duplicated by
- ☐ duplicates
- ☐ has Epic
- ☐ is Epic of
- ☐ is caused by
- ☐ causes
- ☐ relates to
- ☐ relates to

Only issues linked to current issue by selected issue link types will be written.

Write also subtasks fulfilling condition on issue type, status and project:

☑

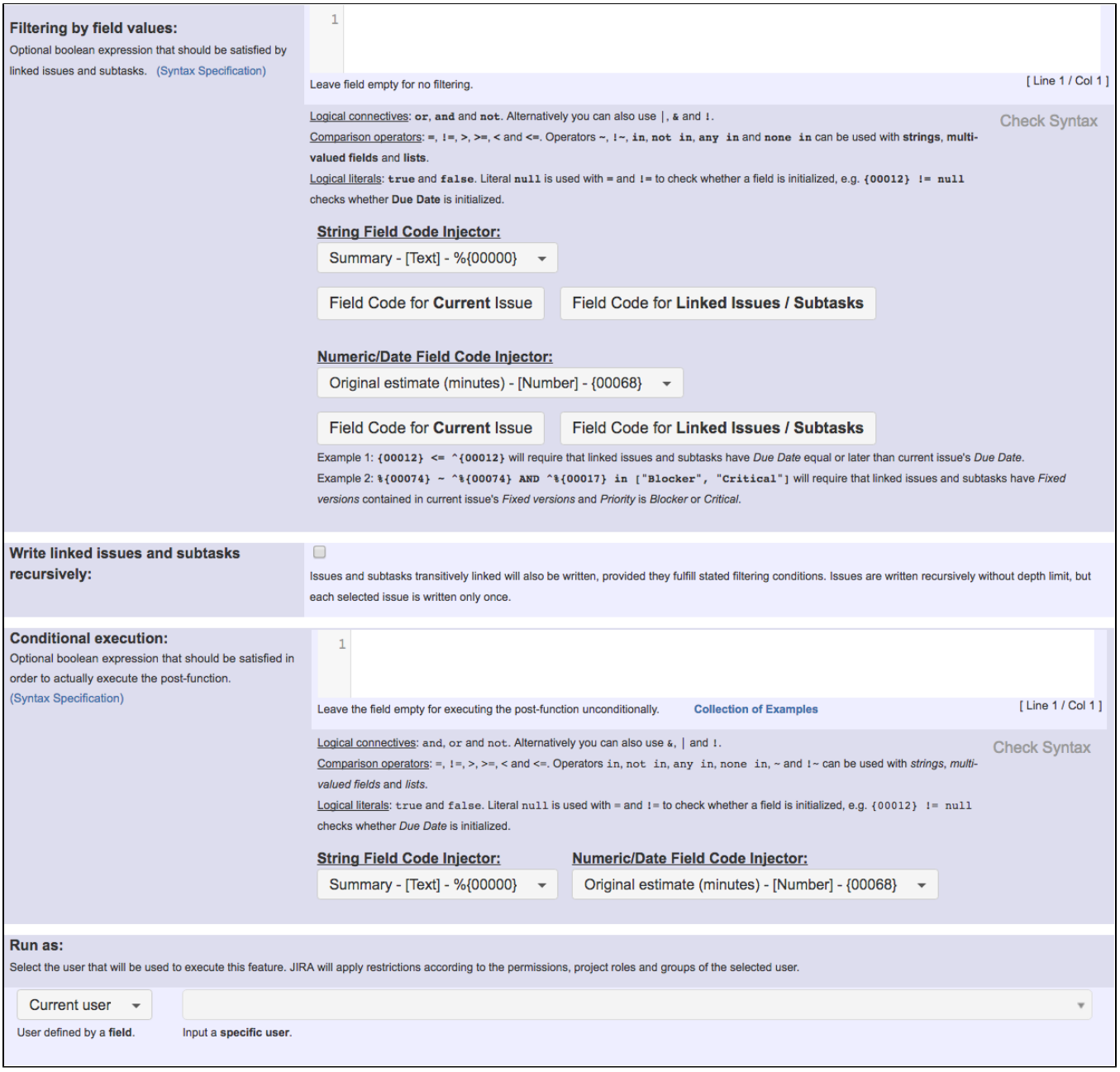
This option only makes sense when current issue itself is not a subtask.

Write also sibling subtasks fulfilling condition on issue type, status and project:

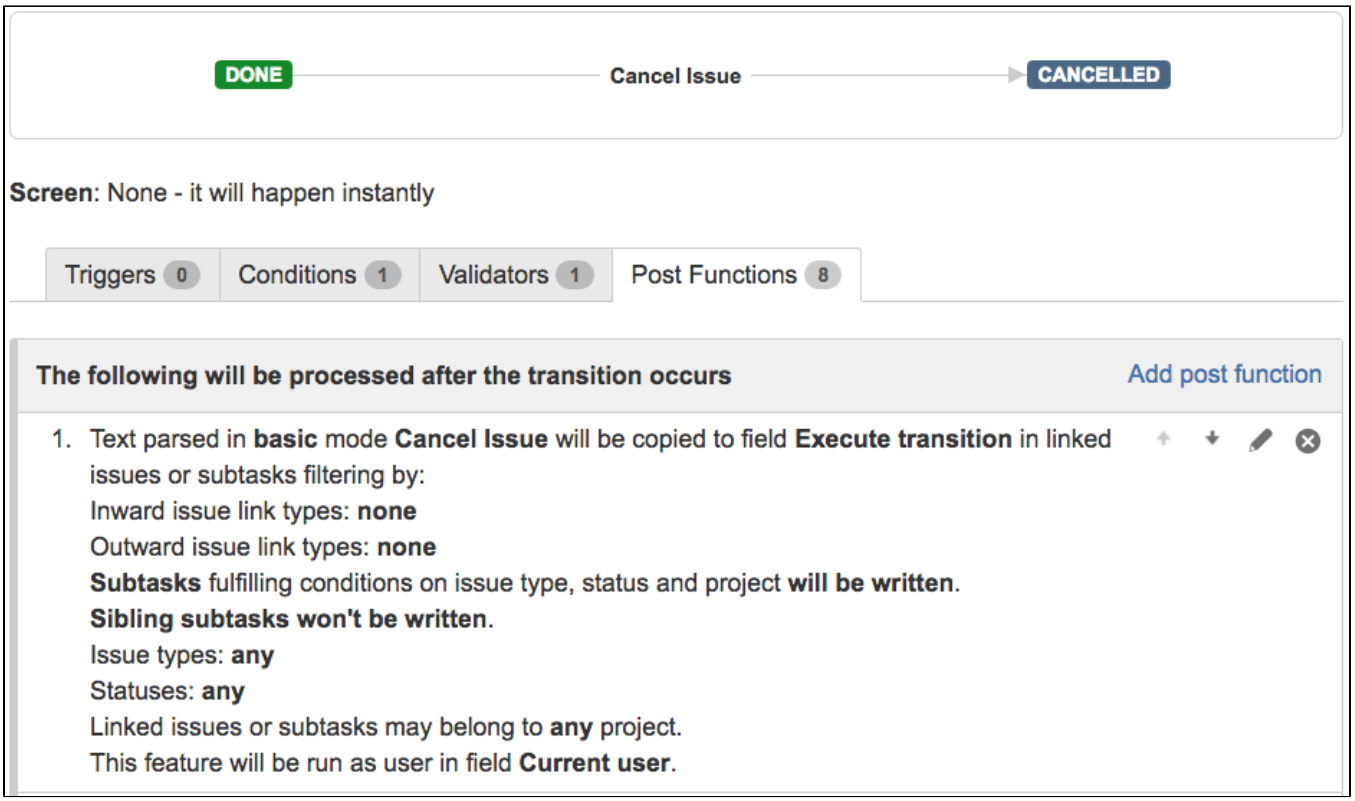
☐

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.

Filtering linked issues or subtasks by issue type:	☐ Epic ☐ Story ☐ Test Plan ☐ Bug ☐ New Feature ☐ Task ☐ Improvement ☐ QA Sub-task ☐ Sub-task Selected issue types will be written, but **if you don't select any, it won't be aplied any filter by issue type**. In that case all the issue types will be written.
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 aplied 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



Once configured, the transition looks like this:



Other examples of that functions

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

- Validation on sibling sub-tasks depending on issue type and status
  - example
  - validator
  - sub-task
  - transition
- Block a transition until all sub-tasks have certains fields populated
  - example
  - condition
  - validator
  - sub-task
  - transition
- Moving sub-tasks to "Open" status when parent issue moves to "In Progress"
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Moving story to "Ready for QA" once all its sub-tasks are in "Ready for QA" status
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Transition only a sub-task among several ones
  - example
  - post-function
  - sub-task
  - transition
  - outdated
- Transition sub-tasks when parent is transitioned
  - example
  - post-function
  - sub-task
  - transition

        - outdated
- Change parent's status depending on sub-task's summary
    - example
    - post-function
    - sub-task
    - transition
    - outdated
- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress"
    - example
    - post-function
    - sub-task
    - transition
    - outdated
- Automatically close resolved sub-tasks when parent issue is closed
    - example
    - post-function
    - sub-task
    - transition
    - outdated
- Close parent issue when all sub-tasks are closed
    - example
    - condition
    - validator
    - post-function
    - sub-task
    - transition
- Proceed with a task only when all sub-tasks are completed
    - example
    - condition
    - validator
    - sub-task
    - transition
- Prevent transitioning when there is a blocking issue
    - example
    - validator
    - issue-links
    - sub-task
    - transition
- Transition parent issue only when certain issue sub-task types are done
    - example
    - validator
    - sub-task
    - transition
- Enforce certain type of sub-tasks to be "Resolved" to allow executing a transition
    - example
    - validator
    - sub-task
    - transition
- Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status
    - example
    - validator
    - post-function
    - sub-task
    - transition