

Transition only a sub-task among several ones

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Features used to implement the example

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This example is considered **outdated**.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

Example: Transition only a sub-task among several ones

Could you please advise how I can transit only first sub-task on parent issue transition.

It will require [JIRA Workflow Toolbox 2.1.28](#) or higher. It can be done using 3 post-functions:

[Copy a parsed text to a field](#) post-function to write the **name of a transition** into virtual field "Ephemeral string 1" virtual field. In this example I use transition "Start Progress":

Target field:

Ephemeral string 1 - [Text]

Field to be written with the resulting parsed text.

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

Parsing Mode:

☒ Basic

Basic mode: Insert field codes anywhere in the text, and they will be replaced with corresponding field values. Field code formats are %{nnnnn}, and %{nnnnn.i} for Cascading Select fields (i = 0 for base level).

☐ Advanced

Advanced mode: Strings literals are written in double quotes ("This is a string."). Operator '+' is used to concatenate strings, and field codes are like in basic mode, e.g., "Issue key is " + %{00015} + ". ". More information at [parser syntax documentation](#).

Text to be parsed and then copied to target field:

[Line 1 / Col 16][Syntax Specification](#)[Check Syntax](#)

1

Start Progress

Summary - [Text] - %{00000}

Insert String Value

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

Insert Numeric Value

[Copy a parsed text to a field](#) post-function to write the **issue key** of first sub-task order by a certain field into virtual field "**Ephemeral string 2**". In this example I order sub-tasks by **creation date-time** in ascending order:

Target field:

Ephemeral string 2 - [Text]

Field to be written with the resulting parsed text.

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

Parsing Mode:

☐ Basic

Basic mode: Insert field codes anywhere in the text, and they will be replaced with corresponding field values. Field code formats are `%{nnnnn}`, and `%{nnnnn.i}` for Cascading Select fields (i = 0 for base level).

☒ Advanced

Advanced mode: Strings literals are written in double quotes ("This is a string."). Operator '+' is used to concatenate strings, and field codes are like in basic mode, e.g., "Issue key is " + `%{00015}` + ". ". More information at [parser syntax documentation](#).

Text to be parsed and then copied to target field:

[Line 1 / Col 48] [Syntax Specification](#) Check Syntax

1 `toString(first(sort(subtasks(), {00009}, ASC))`

Summary - [Text] - `%{00000}`

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

Text to be parsed is: `toString(first(sort(subtasks(), {00009}, ASC))`

Note that:

- `{00009}` is code for numeric value of field "**Date and time of creation**"
- We are using **advanced** parsing mode

[Update issue fields](#) post-function for copying the name of the transition in "**Ephemeral field 1**" into virtual field "**Execute transition**" of issue whose key is in "**Ephemeral field 2**":

Target fields and Source values: [?](#)
Select the target fields that will be set and the source values for each of them.

Target field:

Summary - [Text]

Add

Add a field to be set in selected issues.

Target Field	Type of Value	Source Value	Don't Overwrite	Actions
Execute transition	Field in current issue	Ephemeral string 1		Edit Remove

Target Issues:
Select the issue(s) to be updated.

Issue Selection Mode:

☐ Current Issue
☐ Parent Issue
☐ Linked Epic
☐ Linked Issues
☐ Subtasks
☐ Sibling Subtasks
☐ Issues under Epic
☐ Sibling issues under Epic
☒ JQL Query
☐ Issue List

1 issuekey in ("%00062")

[Line 1 / Col 25]

String Field Code Injector:

Summary - [Text] - {%00000}

Numeric/Date Field Code Injector:

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

[Check Syntax](#)

- Field codes with format %(nnnnn) may be inserted in the JQL Query, and will be replaced with field values at runtime. Most times it's a good idea to write field codes between double quotes (e.g. "%{00001}"), since field values may contain blank spaces that will produce JQL parsing errors at runtime.
- Cascading Select fields and Multi-level Cascading Select fields specific levels can be referenced with %{nnnnn.0} for parent level, %{nnnnn.1} for child level, etc.

Additional options:

☐ Enable email notifications on issues to be written, according to applicable notification scheme.
☐ Update issue immediately after field writing. A specific entry will be created in issue history for each field writing.

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.

[Check Syntax](#)

String Field Code Injector:

Summary - [Text] - {%00000}

Numeric/Date Field Code Injector:

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

Text to be parsed is: `issuekey in ("%00062")`

Note that:

- `%{00062}` is field code for "Ephemeral string 2"

Once transition is configured, it will look like this:

The following will be processed after the transition occurs

Add post function

1. The following text parsed in **basic** mode will be copied to **Ephemeral string 1**:

Start Progress

This feature will be run as user in field **Current user**.

by JWT

2. The following text parsed in **advanced** mode will be copied to **Ephemeral string 2**:

toString(first(sort(subtasks(), {Date and time of creation}, ASC)))

This feature will be run as user in field **Current user**.

by JWT

3. Update the following target issues:

JQL query

issuekey in ("%{Ephemeral string 2}")

Target fields and Source values:

Target Field	Type of Value	Source Value	Don't Overwrite
Execute transition	Field in current issue	Ephemeral string 1	

This feature will be run as user in field **Current user**.

by JWT

Other examples of that functions

Update issue fields

Page: Add and remove a single or a set of items from multi valued fields
 Page: Compose dynamic text by inserting field values in a text template
 Page: Creating a Jira Service Desk internal comment
 Page: Creating a Jira Service Desk internal comment on linked issues
 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: Parse Email addresses to watchers list
 Page: Set priority for issues that have been in a certain status for longer than 24 hours
 Page: Transition linked issues in currently active sprint
 Page: Transition only a sub-task among several ones
 Page: Using project properties to calculate custom sequence numbers
 Page: Writing a comment to blocked issues when blocking issues are resolved

Copy parsed text to a field

Page: Add all assignees of certain sub-task types to a "Multi-User Picker" custom field
 Page: Add and remove a single or a set of items from multi valued fields
 Page: Add current user to comment
 Page: Add or remove request participants
 Page: Add watchers from a part of the issue summary: "Summary_text - watcher1, watcher2, watcher3, ..."
 Page: Assign issue based on the value of a Cascading Select custom field
 Page: Assign issue to last user who executed a certain transition in the workflow
 Page: Automatically close resolved sub-tasks when parent issue is closed
 Page: Automatically reopen parent issue when one of its sub-tasks is reopened
 Page: Calculate the time elapsed between 2 transition executions
 Page: Close parent issue when all sub-tasks are closed
 Page: Combine the values of several Multi-User picker fields
 Page: Compose a parsed text including the "full name" or a user selected in a User Picker custom field
 Page: Compose dynamic text by inserting field values in a text template

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 certain fields populated
 - example
 - condition
 - validator
 - sub-task
 - transition
- Transition sub-tasks when parent is transitioned
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Transition only a sub-task among several ones
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- 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
- Automatically close resolved sub-tasks when parent issue is closed
 - example
 - post-function
 - sub-task
 - transition

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[Page: Copy the value of a user property into a user picker](#)
[Page: Create a comment in sub-tasks when parent transitions](#)
[Page: Execute transition in epic](#)
[Page: Getting the number of selected values in a custom field of type Multi Select](#)
[Page: Limit the number of hours a user can log per day](#)
[Page: Make a sub-task's status match parent issue's current status on creation](#)
[Page: Make parent issue progress through its workflow](#)
[Page: Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress"](#)
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[Page: Parse Email addresses to watchers list](#)
[Page: Parsing text from last comment and appending it to issue's summary](#)
[Page: Remove versions selected in a version picker custom field](#)
[Page: Replace certain issue link types with different ones](#)
[Page: Restrict parent issue from closing if it has sub-tasks that were created during a given parent issue status](#)
[Page: Set a Select or Multi-Select field using regular expression to express the values to be assigned](#)
[Page: Set assignee depending on issue type](#)
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[Page: Set security level based on groups and project roles the reporter or creator are in](#)
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[Page: Transition only a sub-task among several ones](#)
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[Page: Update Cascading Select custom field with a value of the field in parent issue](#)
[Page: Update checkboxes custom field if a file has been attached during a transition](#)
[Page: Validation on issue attachments](#)
[Page: Validation on MIME types of issue attachments](#)
[Page: Writing a comment to blocked issues when blocking issues are resolved](#)

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