

Assign issue to last user who executed a certain transition in the workflow

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Features used to implement the example

- [Copy parsed text to a field](#)
- Virtual field "Assignee": writing a user name into this field will assign the issue to the corresponding user.
- Parser function "usersWhoTransitioned()"

FUNCTION	RETURNED VALUE
usersWhoTransitioned (string origin_status , string destination_status) : string list Available since version 2.2.7	returns a string list with the names of the users who transitioned current issue from origin_status to destination_status , order ascending by time. An empty string as argument is interpreted as any status . Example: last(usersWhoTransitioned("Open", "In Progress")) returns the name of the user who executed transition " Start Progress " more recently.

Example: Assign issue to last user who executed a certain transition in the workflow

We want to assign current issue to the last user who executed the transition **Start Progress**, which goes from **Open** to **In Progress** status.

For implementing that behavior we simply use [Copy parsed text to a field](#) post-function with the following configuration:

Target field:

Assignee - [User]

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 51] [Syntax Specification](#) [Check Syntax](#)

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`last(usersWhoTransitioned("Open", "In Progress"))`

Summary - [Text] - `{00000}`

Insert String Value

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

Insert Numeric Value

- **Compose dynamic text** by inserting field codes (`{nnnnn}`) that will be replaced with corresponding field values prior to be copied to target field.

- You can reference parent and child values of **cascading select fields** writing `{nnnnn.0}` for parent value, and `{nnnnn.1}` for child value. Use greater indexes to read **multi-level cascading select** custom fields.

- You can change **reporter, assignee, due date, issue status, priority, resolution, labels, components, fixed versions, affected versions, original estimate, estimated, time spent, and security level** by choosing the suitable target field and value to be assigned.

- To assign **cascading selects, multi selects, multi checkboxes, components, labels, fixed versions and affected versions** you should use comma or semicolon separated values.

- Additionally, fields of type **Select list, Radio button, Multi select, Multicheck box, Multi user, Multi groups, Components and Versions** can be set through regular expressions: options that matches a regular expression can be set by writing `/(regular_expression)/`.

- **Setting and unsetting individual values** in multi-valued fields, leaving the rest untouched, can be achieved simply by inserting a character `'` or `'` preceding the value or the list of values. You can insert more than one `'` / `'` character in a sole setting operation.

- Fields **Attachments (only new attachments will be added)** and **Attachments (all current attachments will be replaced)** expect one or more issue keys whose attachments will be copied to current issue.

- You can also use this post-function to **cast a string into a number**.

Conditional execution:

Optional boolean expression that should be satisfied in order to actually execute the post-function.

[\(Syntax Specification\)](#)

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`count(usersWhoTransitioned("Open", "In Progress")) > 0`

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

[Collection of Examples](#)

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[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}`

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.

Text to be parsed: `count(usersWhoTransitioned("Open", "In Progress")) > 0`

Conditional execution: `last(usersWhoTransitioned("Open", "In Progress"))`

We use `count(usersWhoTransitioned("Open", "In Progress")) > 0` for checking whether there is at least one user who transitioned the issue from **Open** to **In Progress**, and in affirmative case we use `last(usersWhoTransitioned("Open", "In Progress"))`.

Other examples of that function

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
Page: Copy issue labels to a custom field
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"
Page: Moving story to "Ready for QA" once all its sub-tasks are in "Ready for QA" status
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
Page: Set field depending on time passed since issue creation
Page: Set priority for issues that have been in a certain status for longer than 24 hours
Page: Set security level based on groups and project roles the reporter or creator are in
Page: Transition linked issues in currently active sprint
Page: Transition only a sub-task among several ones
Page: Transition parent issue only when certain issue sub-task types are done
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

Related Usage Examples

- Block or unblock a transition after an issue rested a specific time in a status
 - example
 - condition
 - validator
 - transition
- Block transition until all sub-tasks are in a specific status category
 - example
 - transition
 - condition
- Validation on sibling sub-tasks depending on issue type and status
 - example
 - validator
 - sub-task
 - transition
- Validation and condition based on time expressions
 - example
 - condition
 - validator
 - transition
- Set a condition in a global transition which only applies in a certain status
 - example
 - condition
 - transition
- Block a transition until all sub-tasks have certain fields populated
 - example
 - condition
 - validator
 - sub-task
 - transition
- Block an epic's transition depending on linked issues status and due date
 - example
 - validator
 - issue-links
 - transition
- Moving story to "In Progress" when one of its sub-tasks is moved to "In Progress" (Transition issues)
 - example
 - post-function
 - 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
- Change parent's status depending on sub-task's summary (Transition issues)
 - example
 - post-function
 - transition

- Automatically close resolved sub-tasks when parent issue is closed
 - example
 - post-function
 - sub-task
 - transition
 - outdated
- Change parent's status depending on sub-task's summary
 - example
 - post-function
 - sub-task
 - transition
 - outdated