Create a sub-task in each story of an epic

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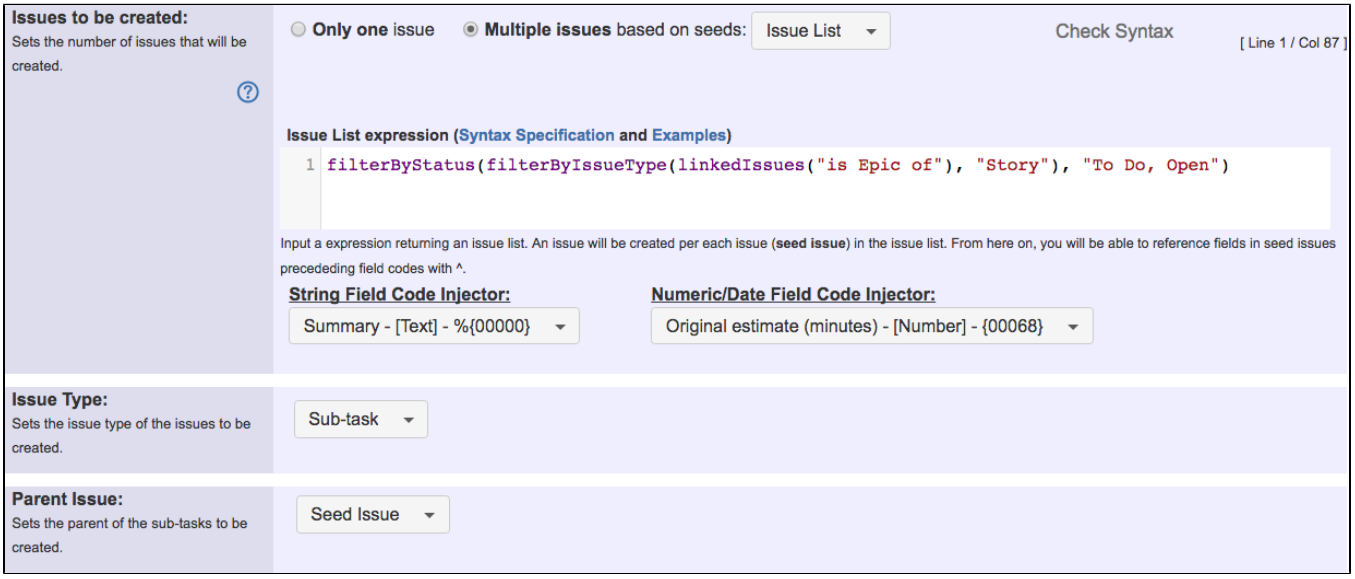
Features used to implement the example

- **Create issues and sub-tasks**

Example: Create a sub-task in each Story of an Epic

This is an example of creation of **multiple issues** based on **seed issues** using **Create issues and sub-tasks** post-function. We are going to insert a post-function in a transition of **Epic's workflow** in order to create one sub-task on each **Story** which is in status "**To Do**" or "**Open**".

We insert **Create issues and sub-tasks** post-function in a transition of Epic's workflow using the following configuration:



Summary:
Sets the summary of the issues to be created.

Parsing mode:
○ basic ◉ advanced

Check Syntax [Line 1 / Col 1]

```
1 "Estimate effort of story '" + ^%{00000} + "'"
```

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**.

String Field Code Injector: Summary - [Text] - %{00000}

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

Field code injectors reference: ◉ **Current issue** ○ **Seed issue** ○ **Parent of new sub-task**

Description:
Sets the description of the issues to be created.

Parsing mode:
◉ basic ○ advanced

Check Syntax [Line 1 / Col 1]

```
1 Perform the effort estimation this story.
```

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).

String Field Code Injector: Summary - [Text] - %{00000}

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

Field code injectors reference: ◉ **Current issue** ○ **Seed issue** ○ **Parent of new sub-task**

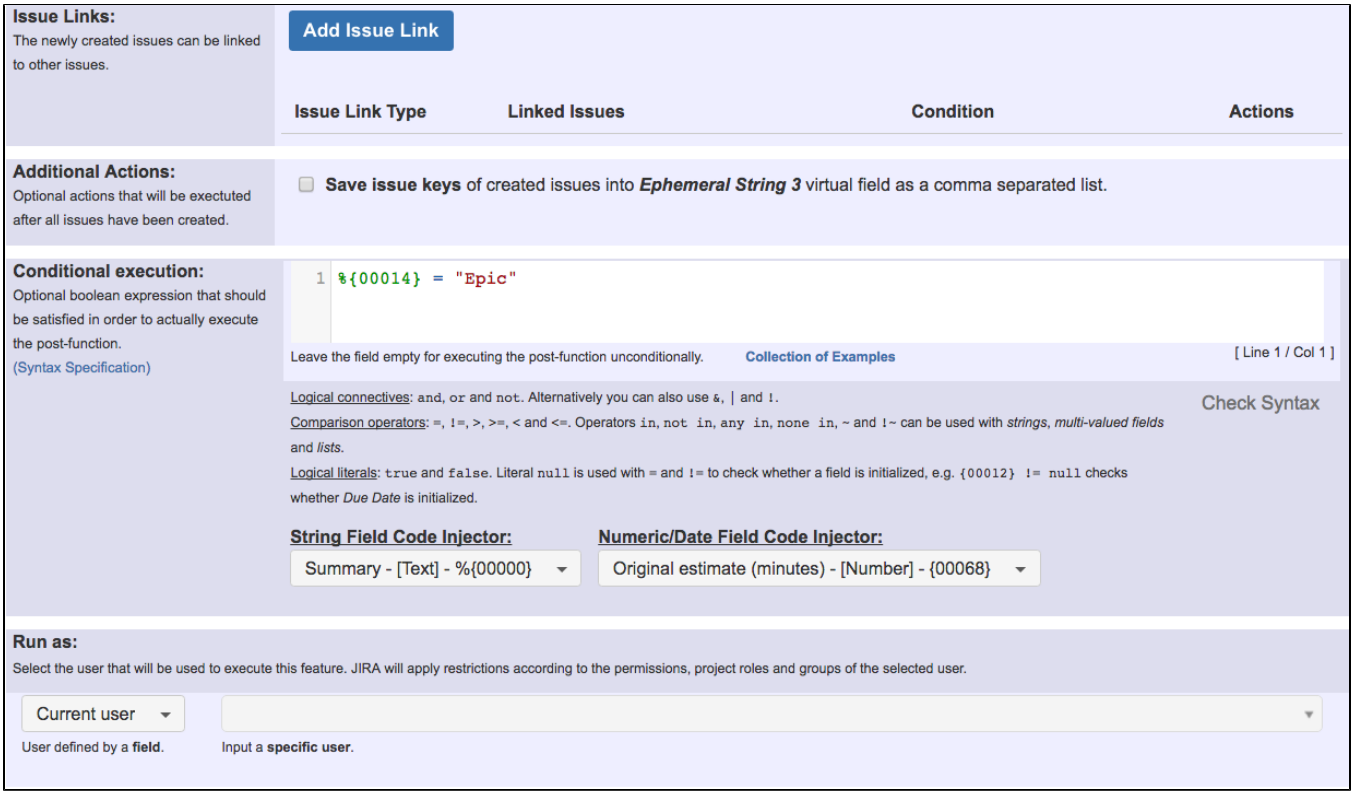
Set Fields:
Sets field values in the new issues.

Field to be set: Priority - [Issue priority] **Add**

Field	Type of Value	Value	Actions
Assignee	Field in seed issue	Assignee	Edit Remove
Reporter	Field in current issue	Reporter	Edit Remove
Due date	Math/Time expression	`addDaysSkippingWeekends({Current date and time}, 3, LOCAL)`	Edit Remove
Components	Field in seed issue	Components	Edit Remove
New comment	Parsed text (advanced mode)	`"This issue was automatically generated by " + %{Issue key} + " epic issue for " + ^%{Issue key} + " story."`	Edit Remove

Inherit Remaining Fields:
Inherit field values from other issues, for those fields that has not been set in the previous section.

Don't inherit field values



Once configured, transition will look like this:

The following will be processed after the transition occurs Add post function

1. Create an issue **per seed issue** returned by the following **issue list** expression:

```
filterByStatus(filterByIssueType(linkedIssues("is Epic of"), "Story"), "To Do, Open")
```

Issue type: **Sub-task**
Parent issue: **Seed Issue**
Summary: text in **advanced** parsing mode

```
"Estimate effort of story '" + ^%{Summary} + "'"
```

Description: text in **basic** parsing mode

```
Perform the effort estimation this story.
```

Set fields:

Field	Type of Value	Value
Assignee	Field in seed issue	Assignee
Reporter	Field in current issue	Reporter
Due date	Math/Time expression	`addDaysSkippingWeekends({Current date and time}, 3, LOCAL)`
Components	Field in seed issue	Components
New comment	Parsed text (advanced mode)	`"This issue was automatically generated by " + %{Issue key} + " epic issue for " + ^%{Issue key} + " story."`

Post-function will only be executed if the following boolean expression is satisfied: `%{Issue type} = "Epic"`
This feature will be run as user in field **Current user**.

Seed Issues

We use the following issue list expression for selecting those issues linked to the Epic (using issue link type "**is Epic of**"), with issue type "**Story**" which are in statuses "**To Do**" or "**Open**":

```
filterByStatus(filterByIssueType(linkedIssues("is Epic of"), "Story"), "To Do, Open")
```

Parent

As the issue type of the new issues is "**Sub-task**", we should specify a parent issue for each of them. In this case the parent issues will be the **seed issues**, i.e., each of the stories selected by the former issue list expression.

Assignee

The sub-tasks will be assigned to the same user who has the parent Story assigned.

Reporter

The sub-task will be reported by the assignee of the Epic issue.

Due Date

The due date of the sub-task will be 3 days ahead skipping weekends.

We use the following formula: **`addDaysSkippingWeekends({00057}, 3, LOCAL)`**

New comment

An automatic comment will be created in each new sub-task.

We use the following text expression: **`"This issue was automatically generated by " + %{00015} + " Epic issue for " + ^%{00015} + " Story."`**

Conditional execution

We set a condition so that we ensure that the post-function is only executed when current issue is an **Epic**, this way we can use the post-function in workflows shared with other issue types.

Result screenshots post-function "Create issues and subtasks" - Create subtask for each Story of an Epic

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Other examples of that function

Page: Assign new issues to a different project role depending on field value in current issue
Page: Clone an issue and all its subtasks (with additional restrictions)
Page: Create 3 issues in 3 different projects
Page: Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
Page: Create a static set of sub-tasks with unique summaries
Page: Create a story for each component in an epic
Page: Create a sub-task for each user selected in a Multi-User Picker
Page: Create a sub-task in each story of an epic
Page: Create specific sub-tasks for each selected component

Related Usage Examples

- Validation on sibling sub-tasks depending on issue type and status
  - example
  - validator
  - sub-task
  - transition
- Restrict sub-task type creation depending on parent issue status
  - example
  - validator
  - sub-task
- Require at least one sub-task in status "Resolved" or "Closed" when "Testing required" is selected in Check-Box custom field
  - example
  - validator
  - sub-task
- Restrict sub-task type creation depending on parent issue type
  - example
  - validator
  - sub-task
- Block a transition until all sub-tasks have certains fields populated
  - example
  - condition
  - validator
  - sub-task
  - transition
- Create a dynamic set of sub-tasks based on checkbox selection with unique summaries
  - example
  - post-function
  - custom-field
  - sub-task
- 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
  - 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
- Add and remove a single or a set of items from multi valued fields
  - example
  - post-function
  - custom-field
  - issue-links
  - sub-task
- 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