

syncBackAfterProcessing

Last Modified on 04/15/2024 5:14 am EDT

Signature

Helper	syncHelper
Signature	<code>syncBackAfterProcessing()</code>
Description	Use this helper method in the Incoming sync to update the source issue once the synchronization to the destination side is finished.
Introduced in	4.6.5

Using the Feature

Assume

- you have 2 instances 'Internal' and 'External'.
- You raise an issue on 'Internal', and exalate it to 'External'
- You need to have a custom field on Internal containing the remote key of the issue created on External

What needs to happen is

- Once that the issue is created on External, a message is sent back to Internal containing the key of the created issue
- The `syncHelper.syncBackAfterProcessing()` triggers this message as it queues a sync event which is handled as if the issue on external has been changed
- The processing of this sync event is identical to any other sync event

What you need to configure:

On the **destination** side (external) in the incoming sync processor

```
// trigger a sync back to the internal instance
if(firstSync){
  syncHelper.syncBackAfterProcessing()
}
```

On the **source** side (internal) in the incoming sync processor

```
// update the custom field 'remote issue key' with the key of the newly created issue
issue.customFields."remote issue key".value = replica.key
```

Warning: Method `syncHelper.syncBackAfterProcessing()` only works for the bidirectional synchronization. Using it for the unidirectional sync might lead to unexpected sync errors.

Warning: Using `syncHelper.syncBackAfterProcessing()` outside the `firstSync` if block might cause infinite loops.

Avoiding conflicts

A sync conflict is possible whenever changing information on the source issue immediately after an exalate.

Source Jira	Target Jira
Exalate issue Status is 'open'	
	Create issue Status is 'Open'
Change status to 'In Progress'	
	Syncback issue Status is open
Syncback is processed Status is changed back to 'Open'	
	Status is updated to 'In Progress' because of message sent in step 3
Status = Open	Status = 'In Progress'

To avoid this conflict, one can add this code

Product

```
if (!firstSync && previous?.status.name == replica?.status.name) {  
  // do not update the status as it might conflict  
}
```

API Reference

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