

easySDI - Defect #1256

Open multiple metadata edition forms can mess session data and result in data inconsistency

02/04/2016 11:48 AM - Blatti Yves

Status: Affected	Start date: 02/04/2016
Priority: Normal	Due date:
Assignee:	% Done: 30%
Category: CATALOG	Estimated time: 0.00 hour
Target version:	
Affected version: 4.0.0	

Description

Open multiple metadata edition forms can mess session data and result in data inconsistency:

How to reproduce (not recommended in production !):

- Open metadata "A" in edition
- Open metadata "B" in edition (don't close A, use a new browser window or tab)
- Save metadata "A"
- Cry

What happens:

- On edit, multiple values are stored in session, and they're not linked to IDs/GUIDs
- If you edit a second item, the first one's data are overwritten
- If you save the first item form, with some of the session's data of the second one -> big mess (examples: wrong relations stored in DB, wrong ids stored in CSW server...)

What could we do:

- **Clean option** (aka rich man's option) : rewrite everything, at least:
 - Session store on edit
 - Save
 - All ajax calls
 - Import
 - Replication
 - Synchronize
 - Child synchronize
 - Everything that I missed
 - This also means that we move away from component creator's logic / MVC usage
- **Simple option** : keep the 'one form at a time' and disallow the save of an metadata if the session ID's doesn't match with form's values
 - Check on save, inform on fail
 - Inform user by AJAX that the metadata cannot be saved anymore (to prevent loosing too much work of edition)
 - Lock the form
 - Show a message (see screenshot : simple_option_lock.png)

Dear TC, what do you think ?

History

#1 - 02/04/2016 05:20 PM - Blatti Yves

Simple option could be achieved with an ajax polling, and disable the form could be done like this:

```
//disable form
jQuery('.metadata-edit.front-end-edit #form-metadata select').prop('disabled', true).trigger("liszt:updated");
jQuery('.metadata-edit.front-end-edit #form-metadata button').prop('disabled', true);
```

```
jQuery('.metadata-edit.front-end-edit #form-metadata a.btn').not('.collapse-btn').prop('disabled', true).addClass('disabled');
jQuery('.metadata-edit.front-end-edit #form-metadata :input').filter(':text,:password,textarea').prop('disabled', true);
//show message
Joomla.renderMessages({'error': ['<b>Cette fiche est verrouillée</b><br/>Vous avez ouvert une autre fiche en édition, ou votre session a
expiré. Il est impossible de sauver cette fiche.']} });
//move to top
jQuery("html, body").animate({ scrollTop: 0 });
```

#2 - 02/08/2016 09:23 AM - Blatti Yves

- % Done changed from 0 to 10

I proposed a temporary fix in revisions **9454 + 9455 + 9463**, it's the client side polling/locking.

#3 - 02/19/2016 11:08 AM - Blatti Yves

- Assignee deleted (Technical Committee)

- % Done changed from 10 to 30

Poor man's version will be integrated in V4.4.0.

Issue remains open for a cleaner fix in future.

#4 - 02/22/2016 09:13 AM - Blatti Yves

Temp fix implemented in #1268

#5 - 09/05/2016 09:47 AM - Blatti Yves

- Priority changed from High to Normal

Files

simple_option_lock.png	179 KB	02/04/2016	Blatti Yves
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