

## TYPO3 Core - Task #78581

### Refactor flex form data structure handling

2016-11-05 20:51 - Christian Kuhn

<b>Status:</b> Closed	<b>Start date:</b> 2016-11-05
<b>Priority:</b> Should have	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 100%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 8.5	<b>Complexity:</b> hard
<b>TYPO3 Version:</b> 8	<b>Sprint Focus:</b>
<b>PHP Version:</b>	
<b>Tags:</b>	
<b>Description</b>	
<b>Related issues:</b>	
Related to TYPO3 Core - Task #78616: Refactor suggest wizard	<b>Closed</b> <b>2016-11-08</b>
Related to TYPO3 Core - Bug #78657: getRegisteredFlexForms in AbstractItemPro...	<b>Closed</b> <b>2016-11-11</b>
Related to TYPO3 Core - Bug #78852: Opening be_groups records may throw excep...	<b>Closed</b> <b>2016-12-01</b>
Related to TYPO3 Core - Task #69715: Flex: Better encapsulation	<b>Closed</b> <b>2015-09-12</b>
Related to TYPO3 Core - Bug #78158: TcaFlexFetch::initializeDataStructure sho...	<b>Closed</b> <b>2016-10-06</b>

#### Associated revisions

##### Revision 9b7fd177 - 2016-11-07 18:06 - Christian Kuhn

[!!!][TASK] Flex form data structure refactoring

Method BackendUtility::getFlexFormDS() does two things at once: It finds a data structure by given data (TCA, row, ...) and then parses it.

This construct gives tons of headaches, since the methods never exposes where a specific data structure came from and the lookup mechanism is complex. Especially if a flex form is used in combination with ajax requests later, the core has massive issues since the location can not be found out later again.

To solve that, the patch splits getFlexFormDS() into two methods:

First method "FlexFormTools->getDataStructureIdentifier()" gets TCA and row and locates a specific structure. It returns an "identifier" that points to that unique data structure. This identifier can be later hand around easily.

The second method "FlexFormTools->parseDataStructureByIdentifier()" then gets this identifier again, fetches the data structure the identifier points to, and parses it.

Change-Id: I38264e8a4a6f956c12e9e50f6039d3d09af0f03a

Resolves: #78581

Releases: master

Reviewed-on: <https://review.typo3.org/48212>

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##### Revision 67ef53e1 - 2016-11-09 14:29 - Christian Kuhn

[TASK] Refactor suggest wizard JS communication

Transmitting the full \$row in suggest wizard was introduced to find the relevant flex form data structure in the ajax search action to determine the suggest wizard field configuration

The patch adds the data structure identifier instead, the searchAction()

uses that to fetch the specified flex form data structure directly.

Additionally, field values relevant for the ajax call are now signed with hmac and checked in searchAction().

Change-Id: Ibb5004d4d11487fe999072999c7ce2f847aac750  
Resolves: #78616  
Related: #78581  
Releases: master  
Reviewed-on: <https://review.typo3.org/50544>  
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#### Revision 71e191e2 - 2016-12-02 11:39 - Christian Kuhn

[BUGFIX] Opening be\_groups records may throw exception

The new flex form data structure handling is more picky and throws exception if a given data structure identifier can not be resolved. The FormEngine logic that displays exclude fields of flex forms has to do some guess work to find possible data structures. This may fail, resulting in an exception. The patch changes the according general exception to a specific one, catches it in the find flex form access rights logic, and adds more docu on what exactly is happening in this code.

Change-Id: I2b808cbe804ba4ab967c8d95b17c0a12ec65ffd4  
Resolves: #78852  
Related: #78581  
Releases: master  
Reviewed-on: <https://review.typo3.org/50820>  
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## History

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### #1 - 2016-11-07 11:37 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 30 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/48212>

### #2 - 2016-11-07 11:39 - Gerrit Code Review

Patch set 31 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/48212>

### #3 - 2016-11-07 12:40 - Gerrit Code Review

Patch set 32 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/48212>

### #4 - 2016-11-07 18:19 - Christian Kuhn

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [9b7fd1773db9c325719af0ff0670554e82f8cdbe](https://review.typo3.org/48212).

### #5 - 2017-10-17 23:24 - Riccardo De Contardi

- Status changed from Resolved to Closed

**#6 - 2020-03-21 18:04 - Susanne Moog**

- Related to Bug #78158: *TcaFlexFetch::initializeDataStructure* should not throw an exception added