

## TYPO3 Core - Bug #63735

### High memory consumption in DataHandler->checkValue\_SW while bulk inserting

2014-12-10 13:09 - Stephan Großberndt

<b>Status:</b>	Closed	<b>Start date:</b>	2014-12-10
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Performance	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	next-patchlevel	<b>Complexity:</b>	
<b>TYPO3 Version:</b>	6.2	<b>Is Regression:</b>	No
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

DataHandler->checkValue\_SW is a switch function calling the public checkValue\_\*-functions [checkValue\_text, checkValue\_input, checkValue\_check, checkValue\_radio, checkValue\_group\_select, checkValue\_inline, checkValue\_flex].

Instead of just passing all parameters needed for those functions some of them are put into an array \$PP and passed to the checkValue\_\*-functions

```
public function checkValue_SW($res, $value, $tcaFieldConf, $table, $id, $curValue, $status, $realPid, $recFID, $field, $uploadedFiles, $tscPID, array $additionalData = NULL) {
```

```
    [...]
```

```
    $PP = array($table, $id, $curValue, $status, $realPid, $recFID, $tscPID);
    switch ($tcaFieldConf['type']) {
        case 'text':
            $res = $this->checkValue_text($res, $value, $tcaFieldConf, $PP, $field);
            break;
```

where in some cases these parameters from \$PP are not needed at all (checkValue\_text, checkValue\_radio) and in others they are separated again by a list()-call and only some of them are used.

```
public function checkValue_text($res, $value, $tcaFieldConf, $PP, $field = '') {
    $evalCodesArray = GeneralUtility::trimExplode(',', $tcaFieldConf['eval'], TRUE);
    $res = $this->checkValue_text_Eval($value, $evalCodesArray, $tcaFieldConf['is_in']);
    return $res;
}
```

```
public function checkValue_input($res, $value, $tcaFieldConf, $PP, $field = '') {
    list($table, $id, $curValue, $status, $realPid, $recFID) = $PP;
```

By putting them in an array they cannot be passed as reference. The function checkValue\_SW is called for each field of each record to add or update, leading to lots of memory being used.

The checkValue\_\*-functions should not get their parameters passed as an array and should take only the parameters necessary.

If for TYPO3 6.2 the signature change is not possible (they are public), I propose to add new functions checkValue\_\*-functions with the changed signatures, call those from checkValue\_SW and also from the old checkValue\_\*-functions.

#### Related issues:

Related to TYPO3 Core - Bug #82756: Can't remove access starttime / endtime

Closed

2017-10-13

#### Associated revisions

Revision e1695035 - 2015-05-01 15:39 - Stephan Großberndt

[TASK] Deprecate public DataHandler->checkValue\_\*-methods

Instead of passing all parameters from DataHandler->checkValue\_SW to the checkValue\_\*-methods in an array \$PP, pass only those actually needed by each function.

In order to stay compatible keep the public `checkValue_*`-methods (now unused in core and deprecated) and introduce new protected methods `checkValueFor*` instead, called from `checkValue_SW`.

Resolves: #63735

Releases: master

Change-Id: I463c35e5361310f401ca5e0cc9833e6cbebfff9f

Reviewed-on: <http://review.typo3.org/35238>

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## History

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### #1 - 2014-12-10 14:30 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #2 - 2014-12-10 15:18 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #3 - 2014-12-10 15:42 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #4 - 2014-12-10 19:09 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #5 - 2014-12-10 19:12 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #6 - 2014-12-10 19:21 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #7 - 2014-12-10 19:29 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #8 - 2015-01-28 02:19 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #9 - 2015-03-06 00:03 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #10 - 2015-03-31 21:03 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #11 - 2015-03-31 21:27 - Gerrit Code Review

Patch set 11 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/35238>

### #12 - 2015-03-31 21:59 - Gerrit Code Review

Patch set 12 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <http://review.typo3.org/35238>

**#13 - 2015-05-01 16:00 - Stephan Großberndt**

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*

Applied in changeset [e1695035a8e2f477a715b9316b267dff36486f4](#).

**#14 - 2018-05-02 14:41 - Oliver Hader**

- *Related to Bug #82756: Can't remove access starttime / endtime added*

**#15 - 2018-10-02 11:48 - Benni Mack**

- *Status changed from Resolved to Closed*