# Core - Bug # 63812

Bug # 63692 (Accepted): Memory consumption while bulk inserting

| | | | |
|---|---|---|---|
| **Status:** | Resolved | **Priority:** | Should have |
| **Author:** | Stephan Großberndt | **Category:** | Performance |
| **Created:** | 2014-12-12 | **Assigned To:** | Stephan Großberndt |
| **Updated:** | 2014-12-17 | **Due date:** | |

| | |
|---|---|
| **TYPO3 Version:** | 6.2 |
| **PHP Version:** | |
| **Complexity:** | no-brainer |
| **Is Regression:** | No |
| **Sprint Focus:** | |
| **Subject:** | Lower memory use in ArrayUtil->mergeRecursiveWithOverrule |

**Description**

Currently ArrayUtil->mergeRecursiveWithOverrule uses foreach (array_keys($overrule) as $key) to iterate the keys. This means a new array consisting only of the keys has to be created which costs performance and memory:

    static public function mergeRecursiveWithOverrule(array &$original, array $overrule, $addKeys = TRUE, $includeEmptyValues
    = TRUE, $enableUnsetFeature = TRUE) {
        foreach (array_keys($overrule) as $key) {

Replacing this with

        foreach ($overrule as $key => $unusedValue)

drastically lowers memory usage and enhances performance.

| **Related issues:** | | | |
|---|---|---|---|
| related to Core - Task # 54251: GeneralUtility::array_merge_recursive_overrul... | | **Resolved** | **2013-12-06** |

**Associated revisions**

**Revision babd2626 - 2014-12-17 09:01 - Stephan Großberndt**

[TASK] Lower memory use in ArrayUtil->mergeRecursiveWithOverrule

Iterate on the original array instead of an array_keys()-copy in
ArrayUtil->mergeRecursiveWithOverrule which lowers memory usage and
enhances performance.

Resolves: #63812
Releases: master, 6.2
Change-Id: I71acc9e1e730f1e782d0e74acd45637ce1b9f08e
Reviewed-on: http://review.typo3.org/35351
Reviewed-by: Anja Leichsenring <aleichsenring@ab-softlab.de>
Tested-by: Anja Leichsenring <aleichsenring@ab-softlab.de>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Reviewed-by: Wouter Wolters <typo3@wouterwolters.nl>

Tested-by: Wouter Wolters <typo3@wouterwolters.nl>


**Revision ea33fb5f - 2014-12-17 09:01 - Stephan Großberndt**

[TASK] Lower memory use in ArrayUtil->mergeRecursiveWithOverrule

Iterate on the original array instead of an array_keys()-copy in
ArrayUtil->mergeRecursiveWithOverrule which lowers memory usage and
enhances performance.

Resolves: #63812

Releases: master, 6.2

Change-Id: I71acc9e1e730f1e782d0e74acd45637ce1b9f08e

Reviewed-on: http://review.typo3.org/35535

Reviewed-by: Markus Klein <klein.t3@reelworx.at>

Tested-by: Markus Klein <klein.t3@reelworx.at>


**History**

**#1 - 2014-12-12 14:58 - 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/35351


**#2 - 2014-12-12 15:07 - Mathias Schreiber**

*- Parent task set to #63692*

**#3 - 2014-12-12 16:19 - 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/35351


**#4 - 2014-12-12 16:51 - 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/35351


**#5 - 2014-12-12 23:33 - 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/35351


**#6 - 2014-12-12 23:33 - Gerrit Code 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/35373

**#7 - 2014-12-13 12:44 - 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/35373

**#8 - 2014-12-13 13:32 - 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/35373

**#9 - 2014-12-13 14:17 - 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/35373

**#10 - 2014-12-14 17:19 - 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/35373

**#11 - 2014-12-17 09:02 - Gerrit Code Review**

Patch set 1 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at http://review.typo3.org/35535

**#12 - 2014-12-17 09:30 - Stephan Großberndt**

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

Applied in changeset commit:babd2626f2be330ba788026d97b74f0e5458bea3.