

Core - Bug # 63674

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

Status:	Resolved	Priority:	Should have
Author:	Stephan Großberndt	Category:	Performance
Created:	2014-12-08	Assigned To:	
Updated:	2015-01-04	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:	no-brainer		
Is Regression:	No		
Sprint Focus:			
Subject:	High memory consumption in BackendUtility->explodeSoftRefParserList while bulk inserting		
Description			
Due to improper checking for an empty value BackendUtility->explodeSoftRefParserList multiple trimExplodes per record are executed			
<pre>static public function explodeSoftRefParserList(\$parserList) { // Looking for global parsers: if (is_array(\$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['GLOBAL']['softRefParser_GL'])) { \$parserList = implode(',', array_keys(\$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['GLOBAL']['softRefParser_GL'])) . ',' . \$parserList; } // Return immediately if list is blank: if (!strlen(\$parserList)) { return FALSE; } }</pre>			
Using only is_array when looking for global parsers and appending ',' . \$parserList leads to \$parserList = ',' which does not result in an early return but a full parse.			
<pre>static public function explodeSoftRefParserList(\$parserList) { // Looking for global parsers: if (is_array(\$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['GLOBAL']['softRefParser_GL']) && count(\$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['GLOBAL']['softRefParser_GL']) > 0) { \$parserList = implode(',', array_keys(\$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['GLOBAL']['softRefParser_GL'])) . ',' . \$parserList; } // Return immediately if list is blank: if (!strlen(\$parserList)) { return FALSE; } }</pre>			
For bulk inserting of 6500 records:			
<ul style="list-style-type: none">- 1 sec faster- memory_usage of explodeSoftRefParserList down by 4.5MB			
Related issues:			
related to Core - Task # 64109: Deprecate softRefParser_GL		Resolved	2015-01-04

Associated revisions

Revision 522fba7d - 2015-01-04 16:00 - Stephan Großberndt

[BUGFIX] Speed up BackendUtility->explodeSoftRefParserList

Due to improper checking for an empty array in BackendUtility->explodeSoftRefParserList multiple trimExplode-calls per record are executed. Fixing this check leads to an early return and speeds up bulk inserting.

Resolves: #63674

Releases: master, 6.2

Change-Id: Id8969c33d8ebb109018159ada6a277ab5bfdd13c

Reviewed-on: <http://review.typo3.org/35187>

Reviewed-by: Michael Oehlhof <typo3@oehlhof.de>

Reviewed-by: Mathias Schreiber <mathias.schreiber@wmdb.de>

Tested-by: Mathias Schreiber <mathias.schreiber@wmdb.de>

Reviewed-by: Benjamin Mack <benni@typo3.org>

Tested-by: Benjamin Mack <benni@typo3.org>

Revision 3589da89 - 2015-01-04 16:00 - Stephan Großberndt

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Reviewed-by: Benjamin Mack <benni@typo3.org>

Tested-by: Benjamin Mack <benni@typo3.org>

(cherry picked from commit 522fba7db058c0c2783116d9772c2c2a561b6beb)

Reviewed-on: <http://review.typo3.org/35775>

History

#1 - 2014-12-09 07:03 - Philipp Gampe

- Parent task set to #63692

#2 - 2014-12-09 13:00 - 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/35187>

#3 - 2014-12-09 13:32 - 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/35187>

#4 - 2015-01-04 16:01 - 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/35775>

#5 - 2015-01-04 22:54 - Wouter Wolters

- *Status changed from Under Review to Resolved*