

Core - Bug # 63745

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

Status:	Resolved	Priority:	Should have
Author:	Stephan Großberndt	Category:	Performance
Created:	2014-12-10	Assigned To:	
Updated:	2014-12-11	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:	easy		
Is Regression:	No		
Sprint Focus:			
Subject:	date/datetime checks in DataHandler->checkValue_input lead to high memory use while bulk inserting		
Description			
<p>\$dateTimeFormats are fetched for every input field (although not needed) and the expensive GeneralUtility::inList-check for date,datetime-fields is executed twice:</p>			
<pre>public function checkValueForInput(\$res, \$value, \$tcaFieldConf, \$table, \$id, \$realPid, \$field = "") { // Handle native date/time fields \$dateTimeFormats = \$GLOBALS['TYPO3_DB']->getDateTimeFormats(\$table); if (isset(\$tcaFieldConf['dbType']) && GeneralUtility::inList('date,datetime', \$tcaFieldConf['dbType'])) { // Convert the date/time into a timestamp for the sake of the checks \$emptyValue = \$dateTimeFormats[\$tcaFieldConf['dbType']]['empty']; \$format = \$dateTimeFormats[\$tcaFieldConf['dbType']]['format']; // At this point in the processing, the timestamps are still based on UTC \$timeZone = new \DateTimeZone('UTC'); \$dateTime = \DateTime::createFromFormat('!' . \$format, \$value, \$timeZone); \$value = \$value === \$emptyValue ? 0 : \$dateTime->getTimestamp(); } [...] // Handle native date/time fields if (isset(\$tcaFieldConf['dbType']) && GeneralUtility::inList('date,datetime', \$tcaFieldConf['dbType'])) { // Convert the timestamp back to a date/time \$emptyValue = \$dateTimeFormats[\$tcaFieldConf['dbType']]['empty']; \$format = \$dateTimeFormats[\$tcaFieldConf['dbType']]['format']; \$res['value'] = \$res['value'] ? date(\$format, \$res['value']) : \$emptyValue; } }</pre>			

Associated revisions

Revision 915427f1 - 2014-12-11 21:50 - Stephan Großberndt

[BUGFIX] Do not execute getDateTimeFormats for each input

Fetches the dateTimeFormats only for date- and datetime-fields instead of unconditionally for each input.

Resolves: #63745

Releases: master, 6.2

Change-Id: I18fdb8a991ebb82891d9da06a4ef2b01fbc104f

Reviewed-on: <http://review.typo3.org/35253>

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

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

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

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

Revision 08c9282c - 2014-12-11 22:59 - Stephan Großberndt

[BUGFIX] Do not execute getDateFormats for each input

Fetches the dateFormats only for date- and datetime-fields instead of unconditionally for each input.

Resolves: #63745

Releases: master, 6.2

Change-Id: I18fdb8a991ebb82891d9da06a4ef2b01fbc104f

Reviewed-on: <http://review.typo3.org/35320>

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

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

History

#1 - 2014-12-10 17:47 - Wouter Wolters

- Parent task set to #63692

#2 - 2014-12-10 17:58 - 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/35253>

#3 - 2014-12-11 09:16 - 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/35253>

#4 - 2014-12-11 11:44 - 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/35253>

#5 - 2014-12-11 12:24 - 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/35253>

#6 - 2014-12-11 12:35 - 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/35253>

#7 - 2014-12-11 12:39 - 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/35253>

#8 - 2014-12-11 21:59 - 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/35320>

#9 - 2014-12-11 22:00 - Stephan Großberndt

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:915427f1ecf0b0d828847b3bf9bfe52788d9e12d.

#10 - 2014-12-11 22:02 - Gerrit Code Review

- *Status changed from Resolved to Under Review*

Patch set 2 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/35320>

#11 - 2014-12-11 22:59 - Gerrit Code Review

Patch set 3 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/35320>

#12 - 2014-12-11 23:00 - Stephan Großberndt

- *Status changed from Under Review to Resolved*

Applied in changeset commit:08c9282c9b475cbfd9996e48b136784eabde893f.