

Core - Bug # 43540

Task # 52304 (Resolved): Performance issues

Status:	Resolved	Priority:	Must have
Author:	Dmitry Dulepov	Category:	TypoScript
Created:	2012-12-03	Assigned To:	Dmitry Dulepov
Updated:	2013-12-17	Due date:	
TYPO3 Version:	6.0		
PHP Version:			
Complexity:	hard		
Is Regression:	No		
Sprint Focus:			
Subject:	TS is fetched from cache incorrectly sometimes		
Description	<p>If \$GLOBALS['TYPO3_CONF_VARS']['FE']['defaultTypoScript_constants'] or \$GLOBALS['TYPO3_CONF_VARS']['FE']['defaultTypoScript_setup'] are set in the Install tool, cached TS will not be found in cache. This would result in TS parsing every time when there are USER_INT objects on the page. Generally it will slow down the page with USER_INT objects by at least 300% comparing to the non-cached version.</p>		
More information	<p>When template parser processes the TS, it makes a hash to load a cached version of TS:</p> <pre>\$this->runThroughTemplates(\$theRootLine); ... \$rowSumHash = md5('ROWSUM:' . serialize(\$this->rowSum)); \$result = \TYPO3\CMS\Frontend\Page\PageRepository::getHash(\$rowSumHash);</pre> <p>There TS can be fetched from the cache. If nothing is returned, the TS is parsed and stored into the cache:</p> <pre>\$this->generateConfig(); ... \$rowSumHash = md5('ROWSUM:' . serialize(\$this->rowSum)); \TYPO3\CMS\Frontend\Page\PageRepository::storeHash(\$rowSumHash, serialize(\$cc['all']), 'TMPL_CONDITIONS_ALL');</pre> <p>Function generateConfig() prepends values from the above-mentioned variables before processing the data. The earlier called function runThroughTemplates() does not do that. If the variables are empty, it does not make any difference and everything is cached. But if those variables are not empty (even if there is a single space), the \$this->rowSum will be different in two quoted code extracts above. Thus TS will be stored with one hash value and the next request will try to retrieve it with another hash value. This means that cached TS will never be retrieved and will be always parsed.</p> <p>We were able to decrease page generation from 2.88s to 0.8s by fixing the issue. 2 seconds make a huge difference in speed and load of the web server.</p>		
Related issues:	blocks Core - Bug # 53352: Template Analyzer produces wrong results		
		Resolved	2013-11-05

Associated revisions

Revision 4fbb2b58 - 2013-02-06 14:50 - Dmitry Dulepov

[BUGFIX] TS is fetched from cache incorrectly sometimes

If `$TYPO3_CONF_VARS['FE']['defaultTypoScript_constants']` or `$TYPO3_CONF_VARS['FE']['defaultTypoScript_setup']` are set in the Install tool, cached TS will not be found in cache. This would result in TS parsing every time when there are `USER_INT` objects on the page. Generally it will slow down the page with `USER_INT` objects by at least 300% comparing to the cached version.

Change-Id: la0fd65a35897c71d60c48c0b03098ce67ad16c70

Resolves: #43540

Releases: 4.5, 4.6, 4.7, 6.0, 6.1

Reviewed-on: <https://review.typo3.org/16939>

Reviewed-by: Adrian Dymorz

Tested-by: Adrian Dymorz

Reviewed-by: Stefan Neufeind

Reviewed-by: Anja Leichsenring

Tested-by: Anja Leichsenring

Reviewed-by: Sebastian Michaelsen

Reviewed-by: Dmitry Dulepov

Tested-by: Dmitry Dulepov

Revision 09f3b6af - 2013-09-30 19:44 - Dmitry Dulepov

[BUGFIX] TS is fetched from cache incorrectly sometimes

If `$TYPO3_CONF_VARS['FE']['defaultTypoScript_constants']` or `$TYPO3_CONF_VARS['FE']['defaultTypoScript_setup']` are set through the PHP code, cached TS will not be found in cache. This would result in TS parsing every time when there are `USER_INT` objects on the page. It may slow down the page with `USER_INT` objects by about 300% comparing to the cached version.

This change is re-added after it got reverted due to lack of reviews in la0fd65a35897c71d60c48c0b03098ce67ad16c70.

Change-Id: lef3a065451644423b236489729716b906f3d4500

Resolves: #43540

Releases: 4.5, 4.7, 6.0, 6.1, 6.2

Reviewed-on: <https://review.typo3.org/18072>

Reviewed-by: Jigal van Hemert

Tested-by: Jigal van Hemert

Revision 6b2512a9 - 2013-09-30 19:54 - Dmitry Dulepov

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This change is re-added after it got reverted due to lack of reviews in la0fd65a35897c71d60c48c0b03098ce67ad16c70.

Change-Id: Ief3a065451644423b236489729716b906f3d4500

Resolves: #43540

Releases: 4.5, 4.7, 6.0, 6.1, 6.2

Reviewed-on: <https://review.typo3.org/24177>

Reviewed-by: Jigal van Hemert

Tested-by: Jigal van Hemert

Revision 8e1ea888 - 2013-09-30 19:59 - Dmitry Dulepov

[BUGFIX] TS is fetched from cache incorrectly sometimes

If \$TYPO3_CONF_VARS['FE']['defaultTypoScript_constants'] or \$TYPO3_CONF_VARS['FE']['defaultTypoScript_setup'] are set through the PHP code, cached TS will not be found in cache. This would result in TS parsing every time when there are USER_INT objects on the page. It may slow down the page with USER_INT objects by about 300% comparing to the cached version.

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Resolves: #43540

Releases: 4.5, 4.7, 6.0, 6.1, 6.2

Reviewed-on: <https://review.typo3.org/24178>

Reviewed-by: Jigal van Hemert

Tested-by: Jigal van Hemert

Revision f8f155e5 - 2013-10-23 19:39 - Jigal van Hemert

[BUGFIX] TS is fetched from cache incorrectly sometimes

If \$TYPO3_CONF_VARS['FE']['defaultTypoScript_constants'] or \$TYPO3_CONF_VARS['FE']['defaultTypoScript_setup'] are set through the PHP code, cached TS will not be found in cache. This would result in TS parsing every time when there are USER_INT objects on the page. It may slow down the page with USER_INT objects by about 300% comparing to the cached version.

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Change-Id: Ief3a065451644423b236489729716b906f3d4500

Resolves: #43540

Releases: 4.5, 4.7, 6.0, 6.1, 6.2

Reviewed-on: <https://review.typo3.org/24182>

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

History

#1 - 2012-12-03 10:37 - Dmitry Dulepov

Should be read: "...comparing to the **cached** version".

#2 - 2012-12-03 10:42 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/16939>

#3 - 2012-12-03 14:59 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/16939>

#4 - 2013-02-06 15:00 - Gerrit Code Review

Patch set 1 for branch **TYPO3_6-0** has been pushed to the review server.

It is available at <https://review.typo3.org/18056>

#5 - 2013-02-06 15:30 - Dmitry Dulepov

- Status changed from Under Review to Resolved

- % Done changed from 10 to 100

Applied in changeset commit:4fbb2b5852a98b1eb3e935d79d612468896291f1.

#6 - 2013-02-06 15:41 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **TYPO3_4-7** has been pushed to the review server.

It is available at <https://review.typo3.org/18059>

#7 - 2013-02-06 15:48 - Gerrit Code Review

Patch set 1 for branch **TYPO3_4-6** has been pushed to the review server.

It is available at <https://review.typo3.org/18061>

#8 - 2013-02-06 15:49 - Gerrit Code Review

Patch set 2 for branch **TYPO3_4-7** has been pushed to the review server.

It is available at <https://review.typo3.org/18059>

#9 - 2013-02-06 15:55 - Gerrit Code Review

Patch set 1 for branch **TYPO3_4-5** has been pushed to the review server.

It is available at <https://review.typo3.org/18062>

#10 - 2013-02-06 20:29 - Gerrit Code Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#11 - 2013-02-06 20:34 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#12 - 2013-02-27 04:50 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#13 - 2013-03-04 20:15 - Gerrit Code Review

Patch set 1 for branch **master_new** has been pushed to the review server.

It is available at <https://review.typo3.org/18621>

#14 - 2013-03-23 12:41 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#15 - 2013-05-19 18:40 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#16 - 2013-09-30 10:21 - Markus Klein

- Parent task set to #52338

- Is Regression set to No

#17 - 2013-09-30 10:21 - Markus Klein

- Parent task changed from #52338 to #52304

#18 - 2013-09-30 17:41 - Kasper Ligaard

This solves the problem described in this thread: http://forum.typo3.org/index.php/m/695487/#page_top

#19 - 2013-09-30 19:42 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/18072>

#20 - 2013-09-30 19:51 - Gerrit Code Review

Patch set 1 for branch **TYPO3_6-1** has been pushed to the review server.

It is available at <https://review.typo3.org/24177>

#21 - 2013-09-30 19:58 - Gerrit Code Review

Patch set 1 for branch **TYPO3_6-0** has been pushed to the review server.

It is available at <https://review.typo3.org/24178>

#22 - 2013-09-30 20:30 - Dmitry Dulepov

- Status changed from Under Review to Resolved

Applied in changeset commit:8e1ea8886d8e83272e36000d0a7a1bc31fde206d.

#23 - 2013-09-30 20:40 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **TYPO3_4-7** has been pushed to the review server.

It is available at <https://review.typo3.org/24182>

#24 - 2013-10-23 19:46 - Gerrit Code Review

Patch set 1 for branch **TYPO3_4-5** has been pushed to the review server.

It is available at <https://review.typo3.org/24981>

#25 - 2013-10-23 20:30 - Jigal van Hemert

- Status changed from Under Review to Resolved

Applied in changeset commit:f8f155e51465551681e5e14c5f16f8a7e719d9d4.

#26 - 2013-11-28 14:08 - Simon Schaufelberger

Hey, Why is this NOT included in 4.5??? so sad...

#27 - 2013-12-17 01:11 - Markus Klein

@Simon: It will be finally included.