

Core - Task # 39295

Epic # 55070 (Accepted): Workpackages

Epic # 55065 (New): WP: Overall System Performance (Backend and Frontend)

Story # 55076 (Closed): review frontend rendering cache and rootline cache

Status:	Resolved	Priority:	Must have
Author:	Johannes Hahn	Category:	Caching
Created:	2012-07-26	Assigned To:	
Updated:	2014-02-02	Due date:	
TYPO3 Version:	4.6		
PHP Version:	5.3		
Complexity:			
Sprint Focus:			
Subject:	Wrong expires date in cf_cache_pagesection		
Description	<p>Hi,</p> <p>don't know if its really a bug or just a miss configuration.</p> <p>In table "cf_cache_pagesection" every expires timestamp is set to + 1 hour after page generation. My config.cache_period = 86400 is ignored. So After one hour the page cache is flushed.</p> <p>In class t3lib_TStemplate function start near line 337 i changed if from:</p> <pre>\$pageSectionCache->set(intval(\$GLOBALS['TSFE']->id) . '_' . \$mpvarHash, \$cc, array('pageId_' . intval(\$GLOBALS['TSFE']->id), 'mpvarHash_' . \$mpvarHash))</pre> <p>to</p> <pre>\$pageSectionCache->set(intval(\$GLOBALS['TSFE']->id) . '_' . \$mpvarHash, \$cc, array('pageId_' . intval(\$GLOBALS['TSFE']->id), 'mpvarHash_' . \$mpvarHash), //set timeout else default 3600 is used \$GLOBALS['TSFE']->get_cache_timeout())</pre> <p>then the expires date is correct.</p>		
Related issues:			

Associated revisions

Revision 097cd54e - 2014-02-02 19:48 - Andreas Wolf

[BUGFIX] Very short lifetime for cache_pagesection

The default lifetime for the cache_pagesection is not set, so the overall default of 3600 is used. This leads to the information in there being repeatedly generated, though it does seldom change (it only consists of information in the rootline, TypoScript configuration, conditions etc.). Therefore, the lifetime is increased by this patch again to 30 days. The cache is cleared nonetheless when clearing "all caches".

The default lifetime for this cache was unlimited prior to the introduction of the caching framework.

Change-Id: I98b307f11779174110ea2d5d79027771b44c5098

Resolves: #39295

Releases: 6.2, 6.1

Reviewed-on: <https://review.typo3.org/27228>

Reviewed-by: Ingo Schmitt

Tested-by: Ingo Schmitt

Reviewed-by: Stefan Froemken

Tested-by: Stefan Froemken

Reviewed-by: Oliver Klee

Reviewed-by: Andreas Wolf

Tested-by: Andreas Wolf

History

#1 - 2012-09-27 16:16 - Arjen Hoekema

Looks like the "cache_period" is only taken into account when setting the page cache. The "cache_pagesection" uses the defaultLifetime from the caching backend which is set to "3600".

For template cache stored in "cache_pagesection" I think the default lifetime should be set to "0" (unlimited) and not to the value of "cache_period". Caches are probably/mostly cleared using "Clear all cache" when modifications to the TS template are made by a backend user.

#2 - 2013-07-25 06:49 - Sven Tappert

I created an extension that should fix the issue as you proposed it:

https://typo3.org/extensions/repository/view/cf_lifetime_patch (1.1.0+)

Since the issue still exists in 6.1.1 and probably above (#50231), the patch applies to all current branches from 4.5

If anyone has any suggestion or notices that the extension doesn't work properly, please let me know.

#3 - 2013-11-24 22:38 - Ernesto Baschny

- Status changed from New to Accepted

- Target version changed from 4.6.11 to 6.2.0
- Is Regression set to No

Good catch. It is true that config.cache_period only affects the page cache. This indeed makes sense, because this cache defines when a page rendering is repeated. The page cache is affected by "Cache Lifetime" in each page settings, then config.cache_period and config.cache_clearAtMidnight. Since 4.6 the page content is taken into account when calculating when the page cache expires (i.e. if you have a "starttime" element and it starts before the cache would expire, this lifetime is adapted accordingly). Great stuff (#20473).

This is all working well also in 6.x.

Now comes the "cache_pagesection". This contains the "configuration" of the pages (rootline, typoscript, conditions, etc). This is content-independent and usually should not expire so fast. In fact, in 4.5 it did not even expire **at all** (only when you hit "clear all caches").

Arjen interpreted it right:

This was not adapted when we introduced the caching framework for this (which was turned into the default in 4.6).

My suggestion would indeed be to rise this caching lifetime to something much higher than "1 hour" as it is today. Even "1 day" is too little in my understanding. The relevant caches are invalidated when something changes anyway. So we could cache this for a much higher lifetime (1 week or more) in my opinion and set this a new default.

I would not go for "unlimited" as this has caused some huge cache_pagesection-tables in the past. A decent default should suffice.

#4 - 2014-01-29 10:15 - Ernesto Baschny

- Priority changed from *Should have* to *Must have*
- Parent task set to #55076

#5 - 2014-02-01 12:48 - Gerrit Code Review

- Status changed from *Accepted* 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 <https://review.typo3.org/27228>

#6 - 2014-02-02 13:50 - 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 <https://review.typo3.org/27228>

#7 - 2014-02-02 19:51 - Gerrit Code Review

Patch set 1 for branch **TYPO3_6-1** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/27273>

#8 - 2014-02-02 20:30 - Andreas Wolf

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

Applied in changeset commit:097cd54ee02026988eed797392bbe17eeda966e0.