Status:	Resolved	Priority:	Should have
Author:	Benjamin Mack	Category:	Caching
Created:	2014-01-14	Assigned To:	Benjamin Mack
Updated:	2014-12-09	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Sprint Focus:			
Subject:	Improve caching framework b	by introducing groups	
Description			
cache, l10n_cache cache). The usabili	extbase_object, extbase_reflection	n etc.) and frontend-related cache	caches (class loading cache, configuration s (chash cache, page cache, page section has to set up all (!) caches again if somebody
Certain caches nee	•	m-up phase possible though), but	t only change in a development environment o ushed in a production environment.
2) Certain core-rela template files won't	-	e a life-time (and should not be flu	ushed all the time), as in production mode, the
This shows that cur differently.	rently it is dealt with "page-related	caches", and with "system-related	d caches" and they should be handled
Implementation ic	dea		
	figuration, there is a new "groups" oups the cache is located. Example	·	roups the cache should be included. The cach
	ARS['SYS']['caching']['cacheConfig	uratione']['aaaba_alaccae'] - array	4
	O3\CMS\Core\Cache\Backend\Sin		
'frontend' => 'TYP	O3\CMS\Core\Cache\Frontend\Str	•	
'options' => 'groups' => array(' );	frontend,pages,system')		
The cache manage	r, the only instance currently handl put and stores this in a separate r		v, identifies when a cache is created, in which er.
-	ration option in an array, it is possib ren set system-related caches on e		on the environment, so the development
Things to do in the	first steps:		
<ul><li>evaluate the "g</li><li>add new method</li></ul>	rty in CacheManager "\$groups" roups" parameter in "CacheManag ods in CacheManager "flushCache and set groups to all cache configu	Group(\$group)", "flushCacheGrou	ıpByTag(\$group, \$tag)"

- replace functionality of "clear cache" in DataHandler to clear all caches, except system caches

Second step:

- Have the icons in the page modules etc. and in the top bar not use DataHandler anymore, but use the CF directly.
- Replace "Configuration Cache" by "System Cache" in the top toolbar.
- Related steps:
  - configure default lifetime of "system" caches to unlimited lifetime

If this is done, the TYPO3 system will run extremely faster, as cache clearing is becoming "normal" again. :)

Subtasks:			
Task # 55035: Create clear cache command to clear system caches			Rejected
Related issues:			
related to TSconfig - Feature # 55038: New option for cache clearing	Resolved	2014-01-16	
related to Core - Task # 54984: "Clear all caches" makes the site unavailable	Closed	2014-01-14	
related to Core - Bug # 55877: Property ListUtility::\$objectManager does not	Closed	2014-02-11	
related to Core - Bug # 57064: New option clearCache.system does not show up	Resolved	2014-03-19	

## Associated revisions

## Revision 1101f392 - 2014-01-15 21:38 - Benjamin Mack

[!!!][FEATURE] Improve caching framework by introducing groups

The current TYPO3 Core includes different types of caches. There are system-related caches (class loading cache, configuration cache, l10n\_cache, extbase\_object, extbase\_reflection etc.) and frontend-related caches (chash cache, page cache, page section cache).

The patch introduces the possibility to group caches. The core uses two groups "pages" with all page-related caches, and "system" that is used for compile-time caches and configuration caches.

The new API is now used to be more flexible inside DataHandler clear\_cacheCmd without having hooks, as the Cache Manager is used to clear all caches inside one hook.

!!! The "Clear all caches" command does not flush caches for system-related caches anymore. Only "Clear Configuration Cache" or inside the install tool in the backend removes all the system caches.

A new userTSconfig option is used to non-admins to be allowed to clear the system caches.

Resolves: #54991 Releases: 6.2 Change-Id: le0fe134102882a1fcc5a85a0199016cdfbda08bf Reviewed-on: <u>https://review.typo3.org/26829</u> Reviewed-by: Helmut Hummel Reviewed-by: Wouter Wolters Reviewed-by: Markus Klein Tested-by: Markus Klein Tested-by: Helmut Hummel

#### History

#1 - 2014-01-15 09:31 - Benjamin Mack

- File caching\_framework.patch added

#### #2 - 2014-01-15 10:23 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

#### #3 - 2014-01-15 13:20 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

#### #4 - 2014-01-15 19:48 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

## #5 - 2014-01-15 20:07 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

#### #6 - 2014-01-15 20:30 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

## #7 - 2014-01-15 20:31 - 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 <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

## #8 - 2014-01-15 20:47 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <a href="https://review.typo3.org/26829">https://review.typo3.org/26829</a>

#### #9 - 2014-01-15 22:30 - Benjamin Mack

- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset commit:1101f39244d29a78f51666a040e258361bb70dd5.

# Files

caching\_framework.patch