

Core - Task # 53744

Epic # 55070 (Accepted): Workpackages

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

Bug # 52949 (Resolved): Speed decrease since 4.5

Status:	Resolved	Priority:	Should have
Author:	Thomas Maroschik	Category:	Caching
Created:	2013-11-18	Assigned To:	Thomas Maroschik
Updated:	2013-11-22	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:	hard		
Sprint Focus:			
Subject:	Change ClassLoader cache from proxy require files to standard cache backends		
Description			
Related issues:			
related to Core - Bug # 53556: classLoader->loadClass calls requireOnce twice...	Closed	2013-11-12	

Associated revisions

Revision 51e23eda - 2013-11-22 15:24 - Thomas Maroschik

[TASK] Replace ClassLoader cache with standard caches

The class loader can now use all available cache backends for retrieval of class loading information.

Using it with APC for example brings a good performance boost.

Resolves: #53744

Releases: 6.2

Change-Id: I55db9686fa2d5b6462b4cb56c452ad2e99e1d2e7

Reviewed-on: <https://review.typo3.org/25489>

Reviewed-by: Wouter Wolters

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Alexander Opitz

Tested-by: Alexander Opitz

Reviewed-by: Thorsten Kahler

Tested-by: Thorsten Kahler

History

#1 - 2013-11-18 20:55 - 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/25489>

#2 - 2013-11-18 21:20 - Markus Klein

- *Category set to Caching*
- *Target version set to next-patchlevel*
- *Complexity set to hard*

#3 - 2013-11-18 21:44 - 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/25489>

#4 - 2013-11-18 21:54 - 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 <https://review.typo3.org/25489>

#5 - 2013-11-19 00:07 - 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 <https://review.typo3.org/25489>

#6 - 2013-11-19 00:45 - 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 <https://review.typo3.org/25489>

#7 - 2013-11-19 00:48 - 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 <https://review.typo3.org/25489>

#8 - 2013-11-19 01:25 - 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 <https://review.typo3.org/25489>

#9 - 2013-11-19 08:23 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/25489>

#10 - 2013-11-22 15:30 - Thomas Maroschik

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

Applied in changeset commit:51e23edaf7d518e05293874ac4b631db77594da9.

Performance tested on Ubuntu 12.04 (PHP 5.3.10) without bytecode cache:

Test scenario

- 2 request to start page of (upgraded) introduction package
- cache completely empty before
- Apache restarted before requests
- no PHP bytecode cache

- additional test: concurrent uncached requests

[test environment on Github](#)

before change

ab -n 2 http://typo3-workspace-test-environment.dev/

min	max
497	4775
675	4098
570	3925
539	4346
528	4210

ab -n 30 -c 3 http://typo3-workspace-test-environment.dev/?no_cache=1

min	median	max
1071	2523	11678
2183	2431	14882
2185	2476	14779
2267	2531	14710
2272	2481	15044

after change

ab -n 2 http://typo3-workspace-test-environment.dev/

min	max
559	2878
488	3229
470	2930
463	2904
529	2752

ab -n 30 -c 3 http://typo3-workspace-test-environment.dev/?no_cache=1

min	median	max
1026	2428	12555
1331	2286	14088
1879	2432	11427
2115	2361	10407
2108	2356	10440