

## TYPO3 Core - Task #53744

Epic # 55070 (Closed): Workpackages

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

Bug # 52949 (Closed): Speed decrease since 4.5

### Change ClassLoader cache from proxy require files to standard cache backends

2013-11-18 20:53 - Thomas Maroschik

<b>Status:</b>	Closed	<b>Start date:</b>	2013-11-18
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Thomas Maroschik	<b>% Done:</b>	100%
<b>Category:</b>	Caching	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	next-patchlevel	<b>Complexity:</b>	hard
<b>TYPO3 Version:</b>	6.2	<b>Sprint Focus:</b>	
<b>PHP Version:</b>			
<b>Tags:</b>			
<b>Description</b>			
<b>Related issues:</b>			
Related to TYPO3 Core - Bug #53556: classLoader->loadClass calls requireOnce ...			<b>Closed</b> <b>2013-11-12</b>

#### 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 [51e23edaf7d518e05293874ac4b631db77594da9](#).

**#11 - 2013-11-22 15:31 - Thorsten Kahler**

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](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

**#12 - 2018-10-02 12:09 - Benni Mack**

- Status changed from *Resolved* to *Closed*