

TYPO3 Core - Task #53747

Epic # 55070 (Closed): Workpackages

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

Bug # 52949 (Closed): Speed decrease since 4.5

Change TCA cache from php code to serialized array

2013-11-18 22:50 - Thomas Maroschik

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|--|------------------|------------------------|-------------------|
| Status: | Closed | Start date: | 2013-11-18 |
| Priority: | Should have | Due date: | |
| Assignee: | Thomas Maroschik | % Done: | 100% |
| Category: | Caching | Estimated time: | 0.00 hour |
| Target version: | | Complexity: | medium |
| TYPO3 Version: | 6.2 | Sprint Focus: | |
| PHP Version: | | | |
| Tags: | | | |
| Description | | | |
| Related issues: | | | |
| Related to TYPO3 Core - Bug #51116: Massive speed problem from TYPO3 version ... | | Closed | 2013-08-16 |
| Related to TYPO3 Core - Story #55075: review TCA cache and increase performan... | | Closed | 2014-01-16 |

Associated revisions

Revision ede0978c - 2013-11-21 10:55 - Thomas Maroschik

[TASK] Replace TCA cache with serialized array

The TCA isn't stored as php array anymore, but instead as serialized array string. Unserialize seems to be much faster in this regard although opcode caches have been tested.

Resolves: #53747

Releases: 6.2

Change-Id: I540cae2ecee0ef09635ceff0b91b7a940dae01f7

Reviewed-on: <https://review.typo3.org/25492>

Reviewed-by: Alexander Opitz

Tested-by: Alexander Opitz

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Thomas Maroschik

Tested-by: Thomas Maroschik

History

#1 - 2013-11-18 23:00 - Markus Klein

- Category set to Caching

#2 - 2013-11-18 23:01 - Gerrit Code Review

- Status changed from New 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/25492>

#3 - 2013-11-19 08:44 - 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/25492>

#4 - 2013-11-19 09:51 - Bernhard Kraft

I would suggest to rather create a global var:

```
$GLOBALS['TCA'] = GeneralUtility::makeInstance('TYPO3\CMS\Core\WHATEVER\DatabaseBackedArray');
```

and create the appropriate class like

```
class DatabaseBackedArray implements arrayaccess {
```

according to the PHP docs:

<http://php.net/manual/en/class.arrayaccess.php>

Then it would be possible to load required parts of TYPO3_CONF_VARS and/or TCA just on requirement from the DB (or eventually store it in a memcached, etc. Cache backend)

#5 - 2013-11-19 10:00 - Thomas Maroschik

Hello Bernhard,

we already thought of that, but it should be discussed in an own issue. It has nothing to do with the bare switch of the caching technique and is a discussion about the general handling of the TCA. Please open a new issue and remove your -1 on the patch.

#6 - 2013-11-19 10:36 - 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/25492>

#7 - 2013-11-19 13:07 - 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/25492>

#8 - 2013-11-19 13:22 - 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/25492>

#9 - 2013-11-21 11:30 - Thomas Maroschik

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [ede0978c321ee3a42d08bd457463b20208c23826](https://review.typo3.org/25492).

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

- *Status changed from Resolved to Closed*