

## TYPO3 Core - Bug #59587

Epic # 55070 (Closed): Workpackages

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

### Performance killer: APC cache backend, wrong assignment of cache tags

2014-06-15 17:58 - Florian Schwaiger

<b>Status:</b>	Closed	<b>Start date:</b>	2014-06-15
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>	Alexander Opitz	<b>% Done:</b>	100%
<b>Category:</b>	Caching	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	medium
<b>TYPO3 Version:</b>	6.2	<b>Is Regression:</b>	No
<b>PHP Version:</b>	5.4	<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
It adds way too many tags to the "ident_..." entries due to wrong usage of for loop. This results in ident-to-tag-mappings that are larger than the actual cache entries themselves.			
Check the attached patch which solves the bug. Please merge the fix soon so we can update our server.			
<b>Related issues:</b>			
Related to TYPO3 Core - Bug #62513: Backport #59587 to TYPO3 4.5		<b>Closed</b>	<b>2014-10-28</b>

#### Associated revisions

##### Revision 3d930170 - 2014-07-08 22:42 - Alexander Opitz

[BUGFIX] Too many tags by identifier in CacheBackends

This applies to Apc/Memcached/Wincache/Xcache backends.

After an array\_merge the values aren't unique. This leads to duplicate tags per identifier. This patch changes that and also moves the findTagsByIdentifier call out of the foreach loop.

Resolves: #59587

Releases: 6.3, 6.2, 6.1

Change-Id: Id31e16fa4bba11038ba692a483fb9a33808d95fa

Reviewed-on: <https://review.typo3.org/30767>

Reviewed-by: Wouter Wolters

Tested-by: Wouter Wolters

Reviewed-by: Markus Klein

Tested-by: Markus Klein

##### Revision 5a11bbe8 - 2014-07-08 22:57 - Alexander Opitz

[BUGFIX] Too many tags by identifier in CacheBackends

This applies to Apc/Memcached/Wincache/Xcache backends.

After an array\_merge the values aren't unique. This leads to duplicate tags per identifier. This patch changes that and also moves the findTagsByIdentifier call out of the foreach loop.

Resolves: #59587

Releases: 6.3, 6.2, 6.1

Change-Id: Id31e16fa4bba11038ba692a483fb9a33808d95fa

Reviewed-on: <https://review.typo3.org/31518>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

##### Revision 072f3555 - 2014-07-08 22:58 - Alexander Opitz

[BUGFIX] Too many tags by identifier in CacheBackends

This applies to Apc/Memcached/Wincache/Xcache backends.

After an array\_merge the values aren't unique. This leads to duplicate tags per identifier. This patch changes that and also moves the findTagsByIdentifier call out of the foreach loop.

Resolves: #59587  
Releases: 6.3, 6.2, 6.1  
Change-Id: Id31e16fa4bba11038ba692a483fb9a33808d95fa  
Reviewed-on: <https://review.typo3.org/31519>  
Reviewed-by: Markus Klein  
Tested-by: Markus Klein

#### Revision 3cbad6cd - 2014-07-08 23:03 - Markus Klein

[BUGFIX] Followup to CacheBackend patch

Re-add a missing use statement that vanished during rebase.

Resolves: #59587  
Releases: 6.3, 6.2, 6.1  
Change-Id: I16ac1b9d5a00c4300202eaef493de43fc988a81d  
Reviewed-on: <https://review.typo3.org/31520>  
Reviewed-by: Wouter Wolters  
Tested-by: Wouter Wolters

#### Revision 11fc31e1 - 2014-07-08 23:05 - Markus Klein

[BUGFIX] Followup to CacheBackend patch

Re-add a missing use statement that vanished during rebase.

Resolves: #59587  
Releases: 6.3, 6.2, 6.1  
Change-Id: I16ac1b9d5a00c4300202eaef493de43fc988a81d  
Reviewed-on: <https://review.typo3.org/31521>  
Reviewed-by: Wouter Wolters  
Tested-by: Wouter Wolters

#### Revision 66d2354a - 2014-07-08 23:05 - Markus Klein

[BUGFIX] Followup to CacheBackend patch

Re-add a missing use statement that vanished during rebase.

Resolves: #59587  
Releases: 6.3, 6.2, 6.1  
Change-Id: I16ac1b9d5a00c4300202eaef493de43fc988a81d  
Reviewed-on: <https://review.typo3.org/31522>  
Reviewed-by: Wouter Wolters  
Tested-by: Wouter Wolters

## History

---

### #1 - 2014-06-17 09:41 - Alexander Opitz

- Status changed from New to Accepted
- Assignee set to Alexander Opitz
- Complexity changed from no-brainer to easy

By reading the code, this solution seems not correct course the source around also isn't correct, a copy&paste error IMHO.

One line above:

```
if (array_search($entryIdentifier, $existingTags) === FALSE) {
```

Why do we search the identifier in the existingTags? This should fail every time.

And again one line upper:

```
$existingTags = $this->findTagsByIdentifier($entryIdentifier);
```

Why should we search for all tags in every loop? We know them after first access.

**#2 - 2014-06-17 10:05 - 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/30767>

**#3 - 2014-06-17 10:09 - Alexander Opitz**

- Status changed from Under Review to Accepted

- Parent task set to #55065

**#4 - 2014-06-17 10:11 - Alexander Opitz**

This issue also applies to Memcached/Wincache/Xcache

**#5 - 2014-06-17 10:15 - Gerrit Code Review**

- Status changed from Accepted to Under 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/30767>

**#6 - 2014-06-17 10:24 - 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/30767>

**#7 - 2014-06-18 17:35 - 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/30767>

**#8 - 2014-06-19 09:53 - 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/30767>

**#9 - 2014-06-19 12:59 - 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/30767>

**#10 - 2014-06-19 13:09 - 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/30767>

**#11 - 2014-06-19 16:18 - 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/30767>

**#12 - 2014-06-19 16:49 - Gerrit Code Review**

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/30767>

**#13 - 2014-06-19 16:53 - Gerrit Code Review**

Patch set 10 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/30767>

**#14 - 2014-06-19 17:28 - Oliver Hader**

- Complexity changed from easy to medium

**#15 - 2014-07-08 21:46 - Gerrit Code Review**

Patch set 11 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/30767>

**#16 - 2014-07-08 22:31 - Gerrit Code Review**

Patch set 12 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/30767>

**#17 - 2014-07-08 22:43 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/31518>

**#18 - 2014-07-08 22:43 - 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/31519>

**#19 - 2014-07-08 22:56 - Gerrit Code Review**

Patch set 2 for branch **TYPO3\_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/31518>

**#20 - 2014-07-08 23:00 - 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 <https://review.typo3.org/31520>

**#21 - 2014-07-08 23:04 - Gerrit Code Review**

Patch set 1 for branch **TYPO3\_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/31521>

**#22 - 2014-07-08 23:04 - 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/31522>

**#23 - 2014-07-08 23:30 - Markus Klein**

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

Applied in changeset [66d2354a1c505b7e64cc6422f75ce6983f1bcfcb](#).

**#24 - 2018-10-02 11:53 - Benni Mack**

- Status changed from *Resolved* to *Closed*

**Files**

---

apc-tags-patch.diff	808 Bytes	2014-06-15	Florian Schwaiger
---------------------	-----------	------------	-------------------