

## Core - Bug # 55099

<b>Status:</b>	Resolved	<b>Priority:</b>	Must have	
<b>Author:</b>	Markus Klein	<b>Category:</b>	Backend API	
<b>Created:</b>	2014-01-17	<b>Assigned To:</b>		
<b>Updated:</b>	2014-03-17	<b>Due date:</b>		
<b>TYPO3 Version:</b>	6.2			
<b>PHP Version:</b>				
<b>Complexity:</b>				
<b>Is Regression:</b>	No			
<b>Sprint Focus:</b>				
<b>Subject:</b>	PHP Warnings after clearing configuration cache in BE			
<b>Description</b>				
<b>Steps to reproduce</b>				
1. rm -rf typo3temp/*				
2. Open BE, Page module				
3. Click on some random page in the tree				
4. Clear the configuration cache via toolbar icon				
5. Click on some page again in the tree				
An extdirect exception popups at the bottom of the BE				
Warning:				
rename(/var/www/html/master/typo3temp/Cache/Data/cache_classes/52d9026814521.temp,/var/www/html/master/typo3temp/Cache/Data/cache_classes/typo3_cms_extbase_property_typeconverter_fileconverter): No such file or directory in				
..../typo3/sysex/core/Classes/Cache/Backend/SimpleFileBackend.php on line 244				
(the affected class looks rather random, but it is always the same line 244)				
You can continue at this point to work in BE, but				
if you clear the configuration cache <b>again</b> and				
<b>quickly</b> click on a page in the tree, the <b>complete BE fails</b> .				
The warning above is displayed again and additionally this is displayed:				
PHP Warning: Class 'TYPO3\CMS\Core\Log\Loggerphp' not found in ..../typo3/sysex/core/Classes/Core/ClassAliasMap.php				
line 270				
or				
PHP Warning: Class 'TYPO3\CMS\Core\Resource\ResourceInterface\AbstractController' not found in				
..../typo3/sysex/core/Classes/Core/ClassAliasMap.php line 270				
One has to clear typo3temp manually in order to get the BE back to work.				
I've no clue what's going on here, looks like some timing issue and/or race condition.				
<i>Note:</i> I've activated this setting in the installer in order to really see all (otherwise silent) warnings:				
['SYS']['exceptionalErrors'] => '28674'				
<b>Related issues:</b>				
related to Core - Bug # 54768: t3lib_pageSelect* compatibility classes not lo...		<b>Closed</b>	2014-01-06	
related to Core - Bug # 54906: Fatal error: Interface 'Psr\Log\LoggerInterfac...		<b>Resolved</b>	2014-03-12	2014-03-12

related to Core - Bug # 55029: Class Loader fails if entry in class cache is ...	<b>Closed</b>	<b>2014-01-15</b>
related to Core - Bug # 55294: Under heavy load, two request can simultaneous...	<b>Closed</b>	<b>2014-01-24</b>
related to Core - Bug # 57008: New Installation: Could not acquire lock for C...	<b>Resolved</b>	<b>2014-03-17</b>
related to Core - Feature # 47712: Refactor Locking	<b>Resolved</b>	<b>2013-02-08</b>
related to Core - Bug # 67366: PHP Errors after clearing cache in BE	<b>New</b>	<b>2015-06-09</b>

## Associated revisions

### Revision 76284d26 - 2014-03-15 12:41 - Alexander Opitz

[BUGFIX] Implement locking in ClassLoader

After cache clearing we can run in the situation that 2 processes will rebuild the ClassLoader cache which will lead to a non useable cache, which produces fatals. As the data is generated more than once the load of the server increases per request while ClassLoader cache is build.

The implemented Locking will stop this issue. Every process waits till the first is ready and then looks if data was generated and stops re-generating the cache.

Resolves: #55099

Releases: 6.2

Change-Id: I109821b9c37ec99c5ec5dbc5bcef6223d1d0d153

Reviewed-on: <https://review.typo3.org/28156>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Thomas Maroschik

Tested-by: Thomas Maroschik

Reviewed-by: Anja Leichsenring

Tested-by: Anja Leichsenring

### Revision 2268f64c - 2014-03-17 22:16 - Alexander Opitz

[BUGFIX] Implement locking in ClassLoader

After cache clearing we can run in the situation that 2 processes will rebuild the ClassLoader cache which will lead to a non useable cache, which produces fatals. As the data is generated more than once the load of the server increases per request while ClassLoader cache is build.

The implemented Locking will stop this issue. Every process waits till the first is ready and then looks if data was generated and stops re-generating the cache.

To-Do: Make it work also for first time installation when there is no typo3temp/ directory yet.

Resolves: #55099

Releases: 6.2

Change-Id: I9c1916b5b5860e86fe19a1fc292d8ab5a196d960

Reviewed-on: <https://review.typo3.org/28480>

Reviewed-by: Ernesto Baschny

## History

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### #1 - 2014-01-17 13:01 - Helmut Hummel

Markus Klein wrote:

**Steps to reproduce** 1. `rm -rf typo3temp/*`

2. Open BE, Page module

3. Click on some random page in the tree

4. Clear the configuration cache via toolbar icon

5. Click on some page again in the tree

An `extdirect` exception pops up at the bottom of the BE

[...]

(the affected class looks rather random, but it is always the same line 244)

I cannot reproduce this on my system, but saw these warnings on a customer system lately.

While this is very likely a race condition in the file backend, I'm still asking myself how this happens and if the temp file is missing during that operation or if some directory is not present.

### #2 - 2014-01-17 13:07 - Helmut Hummel

Markus Klein wrote:

You can continue at this point to work in BE, but

if you clear the configuration cache **again** and

**quickly** click on a page in the tree, the **complete BE fails**.

If the classes cache is inconsistent, everything breaks currently.

See #55029

Needs to be fixed!

### #3 - 2014-01-17 13:19 - Markus Klein

Thanks for your response Helmut.

Without knowing the code right now, do the cache backends use any locking at all?

### #4 - 2014-01-20 19:39 - Oliver Hader

Important one... just ran into this issue with extensions using type hints in backend hooks pointing e.g. to `t3lib_TCEmain` and that class alias not being available...

### #5 - 2014-02-25 21:04 - Franz Holzinger

I randomly get some error and warning messages if I want to use the EM.

PHP Warning:

rename(/mypath/typo3temp/Cache/Data/cache\_classes/530ce35ad4603.temp,/mypath/typo3temp/Cache/Data/cache\_classes/typo3\_core\_compatibility\_e\_compatibility\_loadedextensionsarray) [

PHP Warning:

rename(/mypath/typo3temp/Cache/Data/cache\_classes/530ce35b64123.temp,/mypath/typo3temp/Cache/Data/cache\_classes/clearcachemenu) [

PHP Warning:

rename(/mypath/typo3temp/Cache/Data/cache\_classes/530ce35b68f43.temp,/mypath/typo3temp/Cache/Data/cache\_classes/typo3\_backend\_toolbar\_kend\_toolbar\_livesearchtoolbaritem) [

PHP Fatal error: Class 'TYPO3\CMS\Backend\Sprite\AbstractSpriteHandler' not found in

/mypath/typo3/sysex/backend/Classes/Sprite/SimpleSpriteHandler.php on line 40

PHP Fatal error: Class 'TYPO3\CMS\Core\Resource\Driver\AbstractDriver' not found in

/mypath/typo3/sysex/core/Classes/Resource/Driver/AbstractHierarchicalFilesystemDriver.php on line 35

PHP Fatal error: Class 'TYPO3\CMS\Core\Resource\ResourceStorage' not found in

/mypath/typo3temp/Cache/Code/cache\_core/ext\_localconf\_ff0939e805d9053eba290499baf8d6edbd4fb258.php on line 38

#### #6 - 2014-03-07 02:37 - Markus Klein

Please see the blueprint for solving this: <http://wiki.typo3.org/Blueprints/LockingForCaches>

#### #7 - 2014-03-13 23:21 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 20 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/28156>

#### #8 - 2014-03-15 12:00 - Thomas Maroschik

I have written a bash script to provoke the error

```
#!/bin/bash
```

```
i="0"
```

```
url="http://introductionpackage.dev.dfau/index.php?id=51"
```

```
while true
```

```
do
```

```
    rm -R typo3temp/Cache
```

```
    i=$((i+1))
```

```
    curl -s -o - $url | grep -o "Fatal error:.*</i>" && echo "Request $i failed" &
```

```
    i=$((i+1))
```

```
    curl -s -o - $url | grep -o "Fatal error:.*</i>" && echo "Request $i failed" &
```

```
    wait
```

done  
wait

Please replace the url variable with one that matches your site. Run this script from the site root. It tests frontend requests but the issue is present there too.

**#9 - 2014-03-15 13:30 - Alexander Opitz**

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

Applied in changeset commit:76284d26065af1a0a5b141f5f16305a5821609fa.

**#10 - 2014-03-15 20:48 - Ernesto Baschny**

- *Status changed from Resolved to On Hold*

This was reverted for 6.2 beta7: <https://review.typo3.org/#/c/28426/>

Will be re-added afterwards again.

**#11 - 2014-03-17 22:15 - Gerrit Code Review**

- *Status changed from On Hold 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/28480>

**#12 - 2014-03-17 22:30 - Alexander Opitz**

- *Status changed from Under Review to Resolved*

Applied in changeset commit:2268f64c18b607ba39d06b1580afb0ccd786d6b1.