

Core - Bug # 60760

Status:	Needs Feedback	Priority:	Should have
Author:	Alexander Hense	Category:	Package Manager
Created:	2014-08-04	Assigned To:	
Updated:	2015-06-15	Due date:	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:	medium		
Is Regression:	No		
Sprint Focus:			
Subject:	Race condition during system cache flush		
Description			
TYPO3 6.2.4			
When flushing the system cache there seems to be a time frame for a race condition. This can lead to different "class/interface not found" errors.			
Steps to reproduce:			
Use apache benchmark to start multiple concurrent requests, e.g.:			
ab -n 100 -c 10 http://typo3dev.localhost/			
While ab is running, flush the system cache in the backend. Now, reload the frontend to see some kind of error, e.g.:			
Fatal error: Interface 'Psr\Log\LoggerInterface' not found in /home/ahense/src/TYPO3.CMS/typo3/sysext/core/Classes/Log/Logger.php on line 24			
This works almost every time. For somewhat faster computers you might want to increase ab to -n 500 and -c 20.			
The frontend only works again after flushing the system cache once more.			
The problem seems to be a race condition which occurs when the frontend is being rendered while the system cache flushing process is still in progress. The system cache flushing does not correctly lock other calls to prevent the construction of a broken cache.			
Related issues:			
duplicated by Core - Bug # 61670: cleared cache_classes causes fatal error		Rejected	2014-09-17
duplicated by Core - Bug # 63722: Stop flush class loader cache while rebuild...		Closed	2014-12-09

History

#1 - 2015-01-26 15:45 - Mathias Schreiber

- Target version set to 7.3 (Packages)

#2 - 2015-01-26 16:39 - Alexander Opitz

Hi,

is this issue reproduceable with a newer version of TYPO3? Namely the latest 6.2.9.

#3 - 2015-01-27 09:05 - Alexander Hense

| *is this issue reproduceable with a newer version of TYPO3? Namely the latest 6.2.9.*

I have just tried it again multiple times with a TYPO3 6.2.9 system using exactly the steps I initially described. The result is the same.

#4 - 2015-01-29 12:09 - Alexander Opitz

- *Category set to Package Manager*
- *Status changed from New to Needs Feedback*
- *Complexity set to medium*

Hmmm ok, so I like to know something more about your system.

Windows or Unixoid? If Unixoid, what is the filesystem on which typo3temp exists? And can you check if in typo3temp/locks a file is created and removed (thats the lock file which should prevent your mentioned race condition)?

#5 - 2015-02-17 16:12 - Camelia M

same issue here. typo3 6.2.9 on linux

I have a lock file created today (around the time the clear cache was made). the log did not get removed. not even at log out

#6 - 2015-02-17 17:19 - Alexander Opitz

Hi Camelia,

on which type of filesystem does your typo3temp exists?

#7 - 2015-06-15 17:08 - Benjamin Mack

- *Target version changed from 7.3 (Packages) to 7.4 (Backend)*