

Core - Bug # 55252

Status:	Resolved	Priority:	Must have
Author:	Alexander Opitz	Category:	Default
Created:	2014-01-22	Assigned To:	Alexander Opitz
Updated:	2014-03-16	Due date:	
TYPO3 Version:	6.0		
PHP Version:	5.5		
Complexity:			
Is Regression:	No		
Sprint Focus:			
Subject:	PHP 5.5 and require LocalConfiguration		
Description			
<p>I tracked down an issue on the 123 installer with dbal #53997 to the point that LocalConfiguration isn't included correctly with "require" on PHP 5.5 wit OPcache. As the OPcache is default on, we should fix this.</p> <p>TYPO3\CMS\Core\Utility\ConfigurationManager is responsible for handling the LocalConfiguration.php, the DBAL autoloader requests to add adodb and dbal to the required extensions, which fails (or do not work correctly) and this courses an endless redirect loop.</p> <p>What happens in ConfigurationManager on a write (by adding adodb):</p> <ul style="list-style-type: none">- require LocalConfiguration.php- Merge array with new configuration for 'EXT/extListArray'- write LocalConfiguration.php <p>After this, the old configuration still exists in the OPcache. If we now add dbal:</p> <ul style="list-style-type: none">- require LocalConfiguration.php (The old one from start of process so without adodb)- Merge array with new configuration for 'EXT/extListArray'- write LocalConfiguration.php (with dbal but without adodb) <p>=> Issue 1: We are missing adodb!</p> <p>The OPcache only checks every 10 seconds (or so) the timestamps (to be fast) so the dbal redirect comes to the point that dbal isn't installed, installs it and does the redirect, till the browser ends this loop after 20 steps.</p> <p>=> Issue 2: Our written config isn't there after reload.</p> <p>3 ways to fix, if OPcache is available:</p> <ul style="list-style-type: none">- opcache_compile_file => Available from PHP 5.5.5 onwards, so no option- opcache_reset => This do not help against issue 1 as the second require will get the same data as the first require, even though opcache_[]get_[]status tells us, that no file is in cache. Beside of it clears to much.- opcache_invalidate is the way to go, after writing the PHP file, which we require self. <p>IMHO this issue also needs to be fixed for the CachingFramework for the PHP cache and maybe in more places.</p> <p>To resolve this issue, I would propose to create a new Utility Class, which will provide clearing cache for a file for OPcache, APC and maybe more.</p>			
Related issues:			
related to Core - Feature # 56969: Clear opcode cache after remove/update ext...		Closed	2014-03-16

related to Core - Bug # 56546: PHP5.3 OpcodeCache issue: "Cannot access stati...	Resolved	2014-03-04
related to Core - Bug # 53997: 123 Installer tries to find database before th...	Closed	2013-11-27
related to Installation and Upgrade Guide - Task # 51475: Use PHP 5.5 zend op...	Closed	2013-08-28
related to Core - Bug # 46957: EM: can't install/uninstall extensions	Closed	2013-04-05
related to Core - Bug # 56799: Install tool doesn't work on PHP 5.5.9 and MyS...	Closed	2014-03-12
related to Core - Bug # 55392: Missing opcode cache throws warning (instead o...	Resolved	2014-01-28
related to Core - Bug # 56532: PackageState.php gets rewritten on every Exten...	Resolved	2014-03-04
related to Core - Bug # 56554: OpCache XCACHE cannot be cleared if xcache.adm...	Resolved	2014-03-04
related to Core - Bug # 55352: TYPO3 breaks if docblock is removed by opcode ...	Resolved	2014-01-27
precedes Core - Task # 56526: Link to a wiki page from installer, if opcode c...	Resolved	2014-03-04

Associated revisions

Revision 8c12dd0f - 2014-03-04 17:05 - Alexander Opitz

[BUGFIX] Flush opcode caches while saving PHP files.

After manipulating PHP files, which we include with "require" we should clear the opcode cache, if there is one installed.

So we introduce OpcodeCacheUtility to handle the clearing of the opcode cache. Also to have a way to give feedback to the install tool which can show the quality of the opcode cache in use. It also checks if an opcode cache is enabled in the configuration, not only if the extension is installed.

Use of this opcode cache clearing is added to the ConfigurationManager, PackageManager and the cache (Simple)FileBackend.

Make use of this data in the SystemEnvironmentCheck.

Resolves: #55252

Releases: 6.2, 6.1, 6.0

Change-Id: I881f3fbe055c9566663c2c3c238de62ae30f7149

Reviewed-on: <https://review.typo3.org/27024>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Revision d12424f1 - 2014-03-04 18:22 - Alexander Opitz

[BUGFIX] Fix OpcodeCache for PHP 5.3

In PHP 5.3 anonymous functions can't be bound to static/self so an extra call to a public function is needed.

Resolves: #56546

Related: #55252

Releases: 6.2

Change-Id: I56fc8c4ae92e50c35e972413540b43ec1fa714fc

Reviewed-on: <https://review.typo3.org/28048>

Reviewed-by: Markus Klein

Tested-by: Markus Klein

Reviewed-by: Wouter Wolters

Reviewed-by: Xavier Perseguers

Tested-by: Xavier Perseguers

Revision 13366617 - 2014-03-04 21:27 - Ernesto Baschny

[BUGFIX] OpCache XCache cannot be cleared if xcache.admin.enable_auth

We can only clear the opcache in XCache if xcache.admin.enable_auth is not set, else you get a fatal error.

Resolves: #56554

Related: #55252

Releases: 6.2

Change-Id: Ia33afc4141852c58266f6c7dfedec82f4c35148d

Reviewed-on: <https://review.typo3.org/28059>

Reviewed-by: Christian Kuhn

Tested-by: Christian Kuhn

Reviewed-by: Ernesto Baschny

Tested-by: Ernesto Baschny

History

#1 - 2014-01-22 19:48 - Markus Klein

Impressive finding Alex!

+1 for adding the utility class to handle php-side caches.

The consequence is that we need to add extra handling for any upcoming caching technology in our code.

(a pity the caches do not inject themselves into the file-stream drivers to detect write operations to files and do the cache invalidation automatically)

#2 - 2014-01-23 13:19 - Alexander Opitz

- File *opcodecache_warning.png* added

State of the patch in screenshot, only Exception Messages are left, so patch will be submitted shortly after lunch.

#3 - 2014-01-23 15:01 - 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/27024>

#4 - 2014-01-23 18:41 - 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/27024>

#5 - 2014-01-23 18:43 - 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/27024>

#6 - 2014-01-24 09:04 - 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/27024>

#7 - 2014-01-24 15:09 - 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/27024>

#8 - 2014-01-24 15:10 - 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/27024>

#9 - 2014-01-24 15:13 - 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/27024>

#10 - 2014-01-24 18:03 - 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/27024>

#11 - 2014-01-24 18:11 - 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/27024>

#12 - 2014-01-27 12:00 - 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/27024>

#13 - 2014-01-27 12:35 - 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/27024>

#14 - 2014-01-27 17:10 - 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/27024>

#15 - 2014-02-12 09:09 - Gerrit Code Review

Patch set 13 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#16 - 2014-02-12 09:25 - Gerrit Code Review

Patch set 14 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#17 - 2014-03-04 12:16 - Gerrit Code Review

Patch set 15 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#18 - 2014-03-04 12:27 - Gerrit Code Review

Patch set 16 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#19 - 2014-03-04 12:31 - Gerrit Code Review

Patch set 17 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#20 - 2014-03-04 15:24 - Gerrit Code Review

Patch set 18 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#21 - 2014-03-04 15:45 - Gerrit Code Review

Patch set 19 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/27024>

#22 - 2014-03-04 17:30 - Alexander Opitz

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

Applied in changeset commit:8c12dd0f2e877405adfb4b8fdd3622bd489a7e2f.

#23 - 2014-03-04 17:56 - Gerrit Code Review

- Status changed from Resolved 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/28048>

#24 - 2014-03-16 12:06 - Alexander Opitz

- Status changed from Under Review to Resolved
- Target version set to 6.2.0

Files

opcodecache_warning.png	67.6 kB	2014-01-23	Alexander Opitz
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