

TYPO3 Core - Bug #18279

Several problems with locking API (t3lib_lock)

2008-02-22 20:20 - Jeff Segars

Status:	Closed	Start date:	2008-02-22
Priority:	Must have	Due date:	
Assignee:	Oliver Hader	% Done:	0%
Category:	Communication	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	4.2	Is Regression:	
PHP Version:	5.2	Sprint Focus:	
Tags:			

Description

The locking API has problems if an extension sets `TSFE->set_no_cache()`.

When a page is rendered, a lock is generated as long as the page itself isn't set to be uncached. At this point in time, we know nothing about what individual extensions will do within page caching. When rendering completes, we again check to see if the page is marked as uncached, which it may be because of an extension setting `TSFE->set_no_cache`. If the page is now marked as uncached, we don't do anything with locks which in turn leaves us with an open lock. Subsequent reloads of the page will take approximately 30 seconds due to the open locks.

The attached patch fixes this issue by releasing the locks within `TSFE->set_no_cache()`. The patch also contains some debug output for more insight into the problem, but this should be removed before its committed.

I'm also attaching a test extension that contains a frontend plugin for setting `TSFE->set_no_cache()`. You can first try the plugin without the patch. Make sure you're not logged into the backend and page loads should take approximately 30 seconds. After applying the patch, it should be back to normal speeds.

(issue imported from #M7630)

Related issues:

Related to TYPO3 Core - Bug #18084: Better solution for "Page is being genera...	Closed	2008-01-31
Related to TYPO3 Core - Bug #18330: Fatal error if caching is disabled and lo...	Closed	2008-02-28
Has duplicate TYPO3 Core - Bug #18293: Hanging of TYPO3	Closed	2008-02-24
Has duplicate TYPO3 Core - Bug #18356: typo3temp/locks not automatic made	Closed	2008-03-03

History

#1 - 2008-02-25 17:58 - emds-itsupport

I sponsored this issue to have an official resolution of it before wednesday, as this is very critical for me, otherwise kindly disregard it. Thanks

#2 - 2008-02-25 18:29 - Oliver Hader

The attachment "0007630_v2.patch" replaces the previous patch and was also posted to core list.

What does this patch do?

- always release aquired locks (no matter if caching was disabled because this could also have been happened during runtime)
- always remove semaphores (additional to release) to avoid shm leaks
- added sysLog method and its calls to `t3lib_lock`
- create `typo3temp/locks/` directory automatically if it does not exist

#3 - 2008-02-25 18:52 - emds-itsupport

Before I apply the patch, I have just checked out the latest nightly revision of TYPO3 beta2 from SVN. Is this patch still going to work? or should I revert back to beta1?

#4 - 2008-02-25 19:14 - Oliver Hader

Patches are always created to the last SVN revision, thus it works also in your case... ;-)

#5 - 2008-02-25 20:26 - emds-itsupport

Thanks for that... however I have an error message for tslib_fe.php (cf. file attached: errorMerge.gif), relates to version number. I am under version 3286.

Concerning tslib_lock.php, this file is not present anymore in the rep, which is a bit worrying.

Any idea?

#6 - 2008-02-28 00:28 - Oliver Hader

Committed to TYPO3_4-2 (rev. 3312)

Files

20080222_lock_nocache.diff	2.42 KB	2008-02-22	Administrator Admin
test_lock.t3x	6.02 KB	2008-02-22	Administrator Admin
0007630_v2.patch	7.16 KB	2008-02-25	Administrator Admin
mergeError.gif	5.47 KB	2008-02-25	Administrator Admin