Core - Bug # 52358

Epic # 68397 (In Progress): Make TYPO3 work with MySQL strict mode

Status:	Resolved		**Priority:**	Must have
Author:	Christian Boltz		**Category:**	Database API
Created:	2013-09-28		**Assigned To:**	Morton Jonuschat
Updated:	2015-07-21		**Due date:**	

TYPO3 Version:	6.2
PHP Version:	5.4
Complexity:	
Is Regression:	No
Sprint Focus:	

Subject:	can't login to backend or install tool with PHP 5.4.19 (Typo3-internal session handler broken)
Description	

On a new server with openSUSE 13.1 beta (which comes with Apache 2.4.6 and PHP 5.4.19), it's impossible to login to the backend or to the install tool.

The password is recognized as valid (the install tool does not display the md5sum of the entered password, and the backend logs a successful(!) login in sys_log), but I always get the login form again.

After lots of research (also with some help in #typo3), I found out that the Typo3-internal session handling causes this - if I disable the Typo3-internal session handler in the install tool, I can successfully login (see attached patch, which is of course only a workaround).

Unfortunately disabling the Typo3-internal session handling for the backend login is not that easy, therefore I need some help ;-)

I can reproduce this problem with Typo3 4.5.30 and 6.1.3.

Associated revisions

Revision 4248fb83 - 2015-07-21 02:43 - Morton Jonuschat

[BUGFIX] Initialize new session with empty data field

Initialize the ses_data key with an empty string when
creating a new session record to avoid problems with
active MySQL strict mode.

Resolves: #52358
Releases: master
Change-Id: Ib432812797015511aa1b1230eec9d0cc4d391c74
Reviewed-on: http://review.typo3.org/41758
Reviewed-by: Wouter Wolters <typo3@wouterwolters.nl>
Tested-by: Wouter Wolters <typo3@wouterwolters.nl>
Reviewed-by: Stefan Neufeind <typo3.neufeind@speedpartner.de>
Tested-by: Stefan Neufeind <typo3.neufeind@speedpartner.de>

History

#1 - 2013-09-29 15:58 - Christian Boltz

I also (finally) found the problem that prevented the backend login. This time it's not PHP, but MySQL/MariaDB strict mode ;-)

class.t3lib_userauth.php getNewSessionRecord() does not set the ses_data field, which has no default in the database. The result was that $GLOBALS['TYPO3_DB']->exec_INSERTquery failed.

To make things worse, exec_INSERTquery fails *silently*. It should at least report the error to the devlog...

That all said, here's the patch (for 4.5.30, but it's probably needed for all Typo3 versions):

```
--- typo3_src-4.5.30/t3lib/class.t3lib_userauth.php    2013-09-12 11:30:04.000000000 +0200
+++ typo3_src/t3lib/class.t3lib_userauth.php    2013-09-29 15:51:45.000000000 +0200
@@ -813,10 +813,11 @@
    function getNewSessionRecord($tempuser) {
        return array(
            'ses_id' => $this->id,
            'ses_name' => $this->name,
            'ses_iplock' => $tempuser['disableIPlock'] ? '[DISABLED]' : $this->ipLockClause_remoteIPNumber($this->lockIP),
            'ses_hashlock' => $this->hashLockClause_getHashInt(),
            'ses_userid' => $tempuser[$this->userid_column],
-            'ses_tstamp' => $GLOBALS['EXEC_TIME']
+            'ses_tstamp' => $GLOBALS['EXEC_TIME'],
+            'ses_data' => '' ### cboltz - http://forge.typo3.org/issues/52358
        );
    }
```

#2 - 2014-03-26 23:29 - Helmut Hummel

- TYPO3 Version changed from 6.1 to 6.2

Christian Boltz wrote:

> *That all said, here's the patch (for 4.5.30, but it's probably needed for all Typo3 versions):*

Looks reasonable. Can you push a patch into our review system?

http://wiki.typo3.org/CWT

Thanks!

#3 - 2014-03-27 09:48 - Alexander Opitz

TYPO3 do not support MySQL/MariaDB Strict mode ... there are more open issues about that

http://forge.typo3.org/issues/18866
http://forge.typo3.org/issues/18821
http://forge.typo3.org/issues/20052

yes, the issue should be solved, but there will be more errors afterwards. :-(

#4 - 2015-07-20 19:16 - Morton Jonuschat

- Category set to Database API

- Assigned To set to Morton Jonuschat

- Target version set to 7 LTS

#5 - 2015-07-20 19:41 - Morton Jonuschat

- Parent task set to #68397

#6 - 2015-07-20 22:20 - Gerrit Code Review

- Status changed from New 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 http://review.typo3.org/41758

#7 - 2015-07-21 02:43 - Morton Jonuschat

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:4248fb83eec4182e56b25d47ac282c1c0be8193b.

Files

typo3_src-4.5.30-cboltz--installtool-session-handling.diff	1.3 kB	2013-09-28	Christian Boltz