

Core - Bug # 20052

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

Status:	Rejected	Priority:	Should have
Author:	Steen Rabl	Category:	
Created:	2009-02-19	Assigned To:	
Updated:	2015-07-20	Due date:	
TYPO3 Version:	4.2		
PHP Version:	5.2		
Complexity:			
Is Regression:	No		
Sprint Focus:			
Subject:	SQL error: 'Incorrect integer value: "' for column 'storage_pid' at row 1' (pages:NEW499d21cdec168)		
Description	<p>On a clean installation:</p> <p>I get SQL error: 'Incorrect integer value: "' for column 'storage_pid' at row 1' (pages:NEW499d21cdec168) when I try to create a new page.</p> <p>Clean typo3 installation into: c:/www/typo3.local/public Dummy 4.2.6 copied into the same directory, ran the installation, DB created ok, tried to create a new page.</p> <p>From administration log: Attempt to insert a record on page 'Incorrect integer value: "' for column 'storage_pid' at row 1' (pages:NEW499d21cdec168) from table " without permissions. Or non-existing page. (msg#1.1.12)</p> <pre>1. DEBUG SYSTEM INFORMATION - START ### HTTP_HOST : typo3.local TYPO3_HOST_ONLY : typo3.local TYPO3_PORT : PATH_INFO : QUERY_STRING : TYPO3_INSTALL[type]=phpinfo REQUEST_URI : /typo3/install/index.php?TYPO3_INSTALL[type]=phpinfo HTTP_REFERER : http://typo3.local/typo3/install/index.php? TYPO3_REQUEST_HOST : http://typo3.local TYPO3_REQUEST_URL : http://typo3.local/typo3/install/index.php?TYPO3_INSTALL[type]=phpinfo TYPO3_REQUEST_SCRIPT: http://typo3.local/typo3/install/index.php TYPO3_REQUEST_DIR : http://typo3.local/typo3/install/ TYPO3_SITE_URL : http://typo3.local/ TYPO3_SITE_SCRIPT : typo3/install/index.php?TYPO3_INSTALL[type]=phpinfo TYPO3_SSL : TYPO3_REV_PROXY : SCRIPT_NAME : /typo3/install/index.php TYPO3_DOCUMENT_ROOT : C:/www/typo3.local/public SCRIPT_FILENAME : C:/www/typo3.local/public/typo3/install/index.php REMOTE_ADDR : 127.0.0.1 REMOTE_HOST : HTTP_USER_AGENT : Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; InfoPath.2; .NET CLR 3.0.04506.648; .NET CLR 3.5.21022; OfficeLiveConnector.1.3; OfficeLivePatch.0.0) HTTP_ACCEPT_LANGUAGE: da CONST: PHP_OS : WINNT</pre>		

CONST: TYPO3_OS : WIN
 CONST: PATH_thisScri: C:/www/typo3.local/public/typo3/install/index.php
 CONST: php_sapi_name: apache2handler
 OTHER: TYPO3_VERSION: 4.2.6
 OTHER: PHP_VERSION : 5.2.8
 imagecreatefromgif(): 1
 imagecreatefrompng(): 1
 imagecreatefromjpeg(): 1
 imagegif() : 1
 imagepng() : 1
 imagejpeg() : 1
 imagettftext() : 1
 OTHER: IMAGE_TYPES : 15
 OTHER: memory_limit : 128M
 SERVER: SERVER_PORT : 80
 SERVER: SERVER_SOFTW: Apache/2.2.11 (Win32) PHP/5.2.8
 SERVER: GATEWAY_INTE: CGI/1.1
 SERVER: SCRIPT_NAME : /typo3/install/index.php
 SERVER: PATH_TRANSLA:
 T3CV_GFX: image_proc: 1
 T3CV_GFX: gdlib : 1
 T3CV_GFX: gdlib_png : 0
 T3CV_GFX: gdlib_2 : 0
 T3CV_GFX: im : 1
 T3CV_GFX: im_path : /usr/X11R6/bin/
 T3CV_GFX: im_path_lz: /usr/bin/
 T3CV_GFX: im_version:
 T3CV_GFX: im_negate_: 0
 T3CV_GFX: im_invMask: 0
 T3CV_GFX: im_combine: combine

2. DEBUG SYSTEM INFORMATION - END ###

Server information

MySQL version: 5.0.67-community-nt via TCP/IP

client information

MySQL Client version 5.1.11
 (issue imported from #M10487)

Related issues:

related to Core - Task # 54883: Document that TYPO3 CMS is not compatible wit...	Resolved	2014-01-09
duplicated by Core - Bug # 21212: Unable to create a page	Resolved	2009-10-09
duplicated by Core - Bug # 20415: Error Message that keeps coming up	Resolved	2009-05-12
duplicated by Core - Bug # 18866: Cannot create page with Mysl in strict mode...	Rejected	2008-05-28
duplicated by Core - Bug # 20433: The import export menu will not activate	Resolved	2009-05-16
duplicated by Core - Bug # 20486: MySQL errors and unable to create a page	Resolved	2009-05-21
duplicated by Core - Bug # 21974: SQL error if i want to create a page by usi...	Resolved	2010-01-16
duplicated by Core - Bug # 55020: Incorrect integer value: " for column 'sys...	Closed	2014-01-15

Associated revisions

Revision bad3f24c - 2013-08-22 11:24 - Sascha Egerer

[BUGFIX] Check for incompatible SQL modes

If the SQL mode "STRICT_ALL_TABLES" is enabled you will not be able to save most records. (Enable it in your my.cnf and try to save a tt_content record)

This patch adds a check in the install tool for the incompatible SQL modes "STRICT_ALL_TABLES" and "NO_BACKSLASH_ESCAPES".

The automatic fix for "NO_BACKSLASH_ESCAPES" has been removed because we don't want to change the mysql environment automatically.

Resolves: #20052

Resolves: #18866

Resolves: #18821

Releases: 6.2, 6.1, 6.0

Change-Id: Ifd2d7901935f06534a273374bf48266916e23698

Reviewed-on: <https://review.typo3.org/19671>

Reviewed-by: Sascha Egerer

Tested-by: Sascha Egerer

Reviewed-by: Markus Klein

Reviewed-by: Alexander Opitz

Tested-by: Alexander Opitz

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

Revision e727d5ff - 2013-08-22 11:40 - Sascha Egerer

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Change-Id: Ifd2d7901935f06534a273374bf48266916e23698

Reviewed-on: <https://review.typo3.org/23237>

Reviewed-by: Stefan Neufeind

Tested-by: Stefan Neufeind

History

#1 - 2009-02-19 21:50 - Marcus Krause

Are you using MySQL as DB? If so, is it running in SQL strict mode?

Issue is probably related to #0006299, #0008474 and #0008542.

#2 - 2009-02-20 10:30 - Steen Rabi

You are absolutely correct it's MySQL running in SQL strict mode.

I have used the default installation so I would never have thought that it would be a problem as the requirements for Typo3 don't state any MySQL restrictions.

What would be the correct sql mode ?

#3 - 2009-02-20 10:35 - Steen Rabi

Found it sql-mode="MYSQL40"

#4 - 2009-02-20 11:22 - Marcus Krause

Unfortunately, it's currently not possible to run MySQL in strict mode. This would result in numerous error like that one you are reporting.

However, this is not intended. If you feel able to contribute and provide patches, this would be highly appreciated.

#5 - 2009-10-09 15:15 - Peter Beernink

Added a patch which solves the issue.

Except from the BE, the same error was given when a page was cached.

The patch was created against r6127

#6 - 2009-10-09 23:21 - Niels Fröhling

The patch I added will turn off strict_mode for the sql-session. No other fixes to the sql-dialect necessary. Checked it on XAMP-installation, was the only way to make it work (I had no access to the servers settings).

#7 - 2009-10-09 23:40 - Niels Fröhling

This then even is a duplicate of 0008542

#8 - 2009-10-22 21:25 - Andrew Murphy

Feedback:

I downloaded and installed TYPO3 4.2.9 [typo3_src+dummy-4.2.9.zip] onto a local workstation already having Apache HTTPD 2.2.11, MySQL 5.0.51a, and PHP 5.2.8.

I logged in to the TYPO3 back end at [<http://localhost/typo3/index.php>] as an administrator. Once in, I clicked on the Page section of the Web module, then clicked on the globe appearing in the tree structure of the navigation area (the second column), then on "new" in the pop-up menu, then on the "Page (inside)" in the details view. In the box that appeared in the details view, I unchecked "hide page", entered "Home Page" as the Page Title, entered "Home" as the Subtitle, then clicked on the "save and close document" disk icon button. I received the [SQL error: 'Incorrect integer value: " for column 'storage_pid' at row 1'] error. I logged out of the TYPO3 back end, then stopped the Apache HTTPD service.

After researching the problem, I used the [10487_nostrict.patch] offered by Niels Fr?hling (0030995) to add a MySQL 'SET SESSION sql_mode=\\' instruction to the [t3lib/class.t3lib_db.php] file. I started the Apache HTTPD service, then repeated the procedure above to create a new page. This time, I did not receive the SQL error. Instead, the procedure was successful, and the new page appeared in the tree structure.

#9 - 2009-10-24 04:14 - Renga

I moved my sites from 3.8 on Windows to 4.2.9 on ubuntu hardy heron 8.04

<http://www.rengucha.com/phpInfo.php> will show all config details.

Issues

1.0 All sites are showing up but for one. It is just showing blank white screen with "Done" at the bottom. www.nittalum.us

2.0 I am not able to change content in BE. When I change and save, the last section where I edit becomes white. When I again click on Page and page it has the old data. Nothing is saved. Suspecting the above issue I tried the patch as below

```
2.1 > sudo patch -b -f -p 1 -i /home/suresh/typo3/10487_nostrict.patch -o ./class.t3lib_db.php
```

(Stripping trailing CRs from patch.)

patching file class.t3lib_db.php

Hunk #1 FAILED at 963.

Please help

class.t3lib_db.php.rej has the following

```
- 963,968 **
    if (!$this->link) {
        t3lib_div::sysLog('Could not connect to MySQL server '.$TYPO3_db_host.' with user '.$TYPO3_db_username.': '.$error_msg,'Core',4);
    } else {
        $setDBinit = t3lib_div::trimExplode(chr(10), $GLOBALS['TYPO3_CONF_VARS']['SYS']['setDBinit'], TRUE);
        foreach ($setDBinit as $v) {
            if (mysql_query($v, $this->link) === FALSE) {
--- 963,969 ----
    if (!$this->link) {
        t3lib_div::sysLog('Could not connect to MySQL server '.$TYPO3_db_host.' with user '.$TYPO3_db_username.': '.$error_msg,'Core',4);
    } else {
+     mysql_query('SET SESSION sql_mode=\\', $this->link);
        $setDBinit = t3lib_div::trimExplode(chr(10), $GLOBALS['TYPO3_CONF_VARS']['SYS']['setDBinit'], TRUE);
        foreach ($setDBinit as $v) {
            if (mysql_query($v, $this->link) === FALSE) {
```

#10 - 2009-10-24 05:31 - Renga

I just went into class.t3lib_db.php and added the following line
mysql_query('SET SESSION sql_mode=\\', \$this->link);

restarted Apache and mySQL. Still not working.

Then I saw the following in the Apache log

PHP Fatal error: Cannot re-assign \$this in /var/www/web1/quickstart/typo3conf/ext/static_info_tables/class.tx_staticinfotables_syslanguage.php on line 41

#11 - 2010-01-17 11:07 - Simon Schick

This problem is also resistant in TYPO3 v4.3.1

But one thing:

Why don't you add the SQL-command into the var \$GLOBALS['TYPO3_CONF_VARS']['SYS']['setDBinit'] which you can set in the install-tool ??

If you use this option you don't have to modify the TYPO3-core ...

#12 - 2010-01-17 13:36 - Simon Schick

For all coreFreaks ...

I've debugged this function and searched for a useful solution ... (Using TYPO3 v4.3.1)

MySQL-Default-Value is "0" ... This is only set in the MySQL!! I can't find it anywhere in the PHP-code (f.e. the \$TCA[]).

The field we're talking about is "storage_pid" and if you look into the \$TCA[] this field is defined as: { type:"group", internal_type: "db", allowed: "pages", size: 1, maxitems: 1, minitems: 0, show_thumbs: 1, witards: { suggest: { type: "suggest" } } }

Because the type of this field is "group" we have to look at the function \$t3lib_TCEmain->checkValue_group_select() (If you want to know why - look at \$t3lib_TCEmain->checkValue_SW())

In this function he checks the internal_type which is set to "db". Then he calls \$t3lib_TCEmain->checkValue_group_select_processDBdata() to check which data is selected and he will return an empty array. So far all steps are correct - but after he has confirmed this call - he should check if the returned value is empty and check if this field has a default-value (this is also missing in the \$TCA[]). I think if we'd use \$unsetResult we could get troubles if we edit a page :)

My solution:

- add a check after checkValue_group_select_processDBdata()
- add the default-value to the \$TCA-array as it's set in the database (or use \$unsetResult after the check if this don't cause troubles - I haven't tested ...)

A more complex way would be to read out the MySQL-default-value for this column and set this value if an empty array is given by the function checkValue_group_select_processDBdata()

#13 - 2010-12-21 16:38 - Andrew Murphy

Feedback

This problem persists in TYPO3 v4.4.4. Here is a short procedure checklist for TYPO3 administrators already logged in to the back end when this error

occurs. (This procedure is based on Simon Schick's suggestion on 17.01.10 11:07.)

1. Go to "User tools>User settings". Click on the "Admin functions" tab. Click "Create Install Tool Enable File".
2. Go to "Admin tools>Install". Enter your password and click "login". Click "All Configuration".
3. Search the page for "setDBinit" (or scroll to [SYS][setDBinit]). You may see a line in the textarea saying, "SET NAMES utf8;". After that line, enter "SET SESSION sql_mode="," without the first and last double quotes ("). Go to the bottom of the page, and click "Write to localconf.php". Continue, and confirm that your line has been entered by looking at the "setDBinit" section again.
4. Click "Logout from Install Tool". You are done. Return to the back end, and continue your task.

#14 - 2013-04-06 15:10 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#15 - 2013-04-06 15:38 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#16 - 2013-04-06 16:36 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#17 - 2013-05-07 08:10 - Alexander Opitz

- Assigned To set to Alexander Opitz

- Target version deleted (0)

#18 - 2013-05-13 12:56 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#19 - 2013-06-13 09:47 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#20 - 2013-08-20 10:32 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19671>

#21 - 2013-08-20 12:07 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#22 - 2013-08-20 13:27 - Gerrit Code Review

Patch set 8 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#23 - 2013-08-22 08:45 - Gerrit Code Review

Patch set 9 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#24 - 2013-08-22 09:28 - Gerrit Code Review

Patch set 10 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#25 - 2013-08-22 10:14 - Gerrit Code Review

Patch set 11 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#26 - 2013-08-22 10:15 - Gerrit Code Review

Patch set 12 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/19671>

#27 - 2013-08-22 11:30 - Anonymous

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

Applied in changeset commit:bad3f24c1d106ce4d2254c1a8e5710edb769151e.

#28 - 2013-08-22 11:38 - Gerrit Code Review

- *Status changed from Resolved to Under Review*

Patch set 1 for branch **TYPO3_6-1** has been pushed to the review server.
It is available at <https://review.typo3.org/23237>

#29 - 2013-08-22 12:29 - Stefan Neufeind

Patch was reverted again since, after some discussion, this was not the right place to add the additional check. Will need a follow-up. The general idea

itself however was okay.

#30 - 2013-08-22 12:30 - Anonymous

- Status changed from Under Review to Resolved

Applied in changeset commit:e727d5ff0b8ee93de38983555164b19f6bf87377.

#31 - 2013-08-22 13:28 - Chris topher

- Status changed from Resolved to New

#32 - 2014-04-22 00:08 - Patrik Nasfors

- Assigned To deleted (Alexander Opitz)

What should the Status of this issue be? New and Alexander Opitz (the first name) as Assignee, seems like a mistake.

#33 - 2015-01-18 12:07 - Mathias Schreiber

- Status changed from New to Rejected

- Is Regression set to No

Making TYPO3 work with script mode is at least a year of work.

We have this on our agenda, but since this touches a wider aspect of the code I'm closing these tickets down.

#34 - 2015-07-20 19:40 - Morton Jonuschat

- Parent task set to #68397

Files

bug_10487.patch	1.5 kB	2009-10-09	Administrator Admin
10487_nostrict.patch	630 Bytes	2009-10-09	Administrator Admin