

Core - Bug # 18821

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

Status:	Closed	Priority:	Should have
Author:	Phil	Category:	Install Tool
Created:	2008-05-20	Assigned To:	Alexander Opitz
Updated:	2015-07-20	Due date:	
TYPO3 Version:	4.2		
PHP Version:	5.2		
Complexity:			
Is Regression:	No		
Sprint Focus:			
Subject:	Installer will not create any be_users if unsupported sql_mode is used		
Description	<p>Insert statement fails due to 'NOT NULL' DEFAULT NULL column descriptions.</p> <p>Field 'TSconfig' doesn't have a default value</p> <p>i presume its the same for column uc. turning on SQL debug i got the SQL statement and ran in in mysql command line as follows:</p> <pre>mysql> INSERT INTO be_users -> (-> username, -> password, -> admin, -> uc, -> fileoper_perms, -> tstamp, -> crdate ->) VALUES (-> 'admin', -> '5f4dcc3b5aa765d61d8327deb882cf99', -> '1', -> ", -> '7', -> '1211301857', -> '1211301857' ->);</pre> <p>ERROR 1364 (HY000): Field 'TSconfig' doesn't have a default value</p> <p>windows vista mysql: 5.1.24-rc-community php 5.2.4 Apache/2.2.4 (issue imported from #M8474)</p>		
Related issues:			
related to Core - Bug # 15295: Unable to login into BE when using MySQL 5+	Closed	2005-12-19	
related to Core - Task # 54883: Document that TYPO3 CMS is not compatible wit...	Resolved	2014-01-09	

Associated revisions

2015-08-04

1/6

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 - 2008-10-25 17:40 - Norbert Bernhardt

This happens on a regular basis when MySQL's `sql_mode` is set to `STRICT_ALL_TABLES`.

The MySQL manual states for this mode:

Enable strict mode for all storage engines. Invalid data values are rejected. Additional detail follows. (Added in MySQL 5.0.2)

There are no default values for text and blob fields in Typo3 as far as I overlooked it. I had the problem with `be_sessions` and `fe_sessions` having no default value for `ses_data`. In this case Typo3 tries to insert values for `ses_id`, `ses_name`, `ses_iplock`, `ses_hashlock`, `ses_userid`, `ses_tstamp` and MySQL throws error

#14916 - Field 'ses_data' doesn't have a default value

The solution would be to define the value

NULL

to each text and blob field in the Typo3 database to make it strictly SQL compliant.

#2 - 2008-10-26 01:47 - Norbert Bernhardt

Seems the problem of non-strict-conformity exists also in Typo3 code. Trying to insert a new content entry in `tt_content` fails with:

2: SQL error: 'Incorrect integer value: '' for column 'sys_language_uid' at row 1' (tt_content:NEW4903a79adce61)

`tt_content.sys_language_uid` is a integer number, trying to insert "" as an empty string doesn't seem very SQL-compliant.

@ Typo3 Core Team: Any plans to change that? Help appreciated?

#3 - 2009-06-25 14:55 - Patrick Rodacker

Have a look at:

<http://bugs.typo3.org/view.php?id=2059>

#4 - 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>

#5 - 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>

#6 - 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>

#7 - 2013-05-07 08:09 - Alexander Opitz

- *Assigned To set to Alexander Opitz*
- *Target version deleted (0)*

#8 - 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>

#9 - 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>

#10 - 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>

#11 - 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>

#12 - 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>

#13 - 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>

#14 - 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>

#15 - 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>

#16 - 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>

#17 - 2013-08-22 11:30 - Anonymous

- Status changed from *Under Review* to *Resolved*

- % Done changed from 0 to 100

Applied in changeset commit:bad3f24c1d106ce4d2254c1a8e5710edb769151e.

#18 - 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>

#19 - 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.

#20 - 2013-08-22 12:30 - Anonymous

- Status changed from *Under Review* to *Resolved*

Applied in changeset commit:e727d5ff0b8ee93de38983555164b19f6bf87377.

#21 - 2013-08-22 13:39 - Alexander Opitz

- Status changed from *Resolved* to *New*

#22 - 2014-11-11 13:00 - Sascha Egerer

- Subject changed from *installer will not create any be_users* to *Installer will not create any be_users if unsupported sql_mode is used*

- Status changed from *New* to *Accepted*

- Is Regression set to *No*

Currently there is not check at all anymore which ends up in a very frustrating experience if somebody doesn't know about the "sql mode" requirements.

#23 - 2015-07-20 19:41 - Morton Jonuschat

- Parent task set to #68397

#24 - 2015-07-20 22:06 - Morton Jonuschat

- Status changed from Accepted to Closed

Closing this since the field configuration for TSconfig has been fixed a long time ago in TYPO3 4.3 -

<https://github.com/TYPO3/TYPO3.CMS/commit/a0bbc6fdf9d6541df871ec32ebe95f392712c7c2>

The InstallTool check will be tracked in a dedicated issue: #68407