

## TYPO3 Core - Bug #82756

### Can't remove access starttime / endtime

2017-10-13 10:37 - Mike van Dee

<b>Status:</b>	Closed	<b>Start date:</b>	2017-10-13
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	DataHandler aka TCEmail	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	8.7.11	<b>Complexity:</b>	hard
<b>TYPO3 Version:</b>	8	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

I can't remove the access start and endtime of tt\_content block.

Create a tt\_content block. Set start and or end time under the access tab. Save it. When you remove the start or end time an error will popup.

```
2: SQL error: 'Incorrect integer value: '' for column 'starttime' at row 1' (tt_content:44)
```

I use typo3 version 8.7.7

#### Related issues:

Related to TYPO3 Core - Bug #78921: Copying records fails with SQL error with...	<b>New</b>	<b>2016-12-08</b>
Related to TYPO3 Core - Task #72610: Officially support MySQL Strict Mode	<b>Closed</b>	<b>2016-01-08</b>
Related to TYPO3 Core - Bug #63735: High memory consumption in DataHandler->c...	<b>Closed</b>	<b>2014-12-10</b>
Has duplicate TYPO3 Core - Bug #82872: Unassigning "date" from content elemen...	<b>Rejected</b>	<b>2017-10-27</b>
Has duplicate TYPO3 Core - Bug #83648: Emptying datetime causes SQL error	<b>Closed</b>	<b>2018-01-23</b>

#### Associated revisions

##### Revision cb59ac9d - 2018-03-08 16:47 - Oliver Hader

[BUGFIX] Allow empty date/time in strict database modes

Empty date/time values are represented by the FormEngine as empty string ("). Trying to persist this value in database management systems using strict mode (which is enabled per default in MySQL 5.7), will cause an SQL error since field types do not match.

Since it's known for the TYPO3 core which field types are used in particular database tables, it's also possible to enforce this type to be casted to integer values. This is done by using the according TCA evaluation function 'int'.

Resolves: #82756

Releases: master, 8.7

Change-Id: I487caae785a3943916bceebc0c484d58e900a841

Reviewed-on: <https://review.typo3.org/56062>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Mathias Schreiber <[mathias.schreiber@typo3.com](mailto:mathias.schreiber@typo3.com)>

Tested-by: Mathias Schreiber <[mathias.schreiber@typo3.com](mailto:mathias.schreiber@typo3.com)>

Reviewed-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

Tested-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

##### Revision 1751567b - 2018-03-12 15:15 - Oliver Hader

[BUGFIX] Allow empty date/time in strict database modes

Empty date/time values are represented by the FormEngine as empty string ("). Trying to persist this value in database management systems using strict mode (which is enabled per default in MySQL 5.7), will cause an SQL error since field types do not match.

Since it's known for the TYPO3 core which field types are used in particular database tables, it's also possible to enforce this type to be casted to integer values. This is done by using the according TCA evaluation function 'int'.

Resolves: #82756

Releases: master, 8.7

Change-Id: I487caae785a3943916bceebc0c484d58e900a841

Reviewed-on: <https://review.typo3.org/56064>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

Tested-by: Oliver Hader <[oliver.hader@typo3.org](mailto:oliver.hader@typo3.org)>

Reviewed-by: Stefan Neufeind <[typo3.neufeind@speedpartner.de](mailto:typo3.neufeind@speedpartner.de)>

Tested-by: Stefan Neufeind <[typo3.neufeind@speedpartner.de](mailto:typo3.neufeind@speedpartner.de)>

## History

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### #1 - 2017-10-15 01:14 - Michael Stucki

- *Project changed from `forge.typo3.org` to `TYPO3 Core`*

- *TYPO3 Version set to 8*

### #2 - 2017-10-17 14:18 - Susanne Moog

- *Category set to `FormEngine` aka `TCEforms`*

### #3 - 2017-10-18 22:53 - Wouter Wolters

- *Status changed from `New` to `Needs Feedback`*

This works on my system. Looks like your column in the database has a wrong default value or some hook is involved. Can you setup a clean TYPO3 and try again?

### #4 - 2017-10-19 11:54 - Mike van Dee

Wouter Wolters wrote:

This works on my system. Looks like your column in the database has a wrong default value or some hook is involved. Can you setup a clean TYPO3 and try again?

I use strict MySQL(5.7.17) database.

The `tt_content` table has fields:

``starttime` int(10) unsigned NOT NULL DEFAULT '0'`,

``endtime` int(10) unsigned NOT NULL DEFAULT '0'`,

When you clear the start/endtime an empty string("") is send to the database.

Clearing start/endtime works in typo3 version 8.7.1 or lower. And gives me an error on version 8.7.2 and higher.

### #5 - 2017-10-23 14:42 - Tymoteusz Motylewski

- *Related to Bug #78921: Copying records fails with SQL error without any message added*

### #6 - 2017-10-30 21:39 - Wouter Wolters

- *Has duplicate Bug #82872: Unassigning "date" from content element is not possible added*

### #7 - 2017-10-30 21:41 - Wouter Wolters

- *Status changed from `Needs Feedback` to `Accepted`*

Was confirmed by Andreas F.

### #8 - 2018-01-23 19:50 - Wouter Wolters

- *Has duplicate Bug #83648: Emptying datetime causes SQL error added*

### #9 - 2018-02-12 11:04 - Daniel Siepmann

As far as I know, TYPO3 does not work with MySQL strict mode.

I can't find where it's documented, but we do not experience the same issue if we turn off strict mode.

### #10 - 2018-02-12 11:20 - Mike van Dee

Daniel Siepmann wrote:

As far as I know, TYPO3 does not work with MySQL strict mode.  
I can't find where it's documented, but we do not experience the same issue if we turn off strict mode.

Here is an forge task that implies that typo3 supports MySQL Strict mode. <https://forge.typo3.org/issues/72610>

#### #11 - 2018-02-14 11:36 - Rick Feuerabend

as a workaround **adding "int" eval additionally does the trick!**  
with that datetime or date fields can be set empty without MySQL Error

e.g.

```
$GLOBALS['TCA']['tt_content']['columns']['starttime']['config']['eval'] .= ',int';
```

**Can someone please apply the fixes in the core?**

#### #12 - 2018-03-08 15:24 - Oliver Hader

- *Category changed from FormEngine aka TCEforms to DataHandler aka TCEmain*

#### #13 - 2018-03-08 16:03 - 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/56062>

#### #14 - 2018-03-08 16:22 - 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/56062>

#### #15 - 2018-03-08 16:56 - Gerrit Code Review

Patch set 1 for branch **TYPO3\_8-7** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/56064>

#### #16 - 2018-03-08 17:00 - Oliver Hader

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

Applied in changeset [cb59ac9dd7ba7f76fe43c024c03f22968be9bba3](https://review.typo3.org/56064).

#### #17 - 2018-03-08 17:01 - Rudy Gnodde

- *% Done changed from 100 to 0*

Shouldn't this actually be fixed instead of using the workaround in the core? This patch doesn't fix it for extensions that also use datetime fields. I'm not very familiar with the DataHandler, but can't you cast it to int or set it to zero if a field has eval date/datetime and the value is an empty string?

#### #18 - 2018-03-08 19:16 - Markus Klein

- *Related to Task #72610: Officially support MySQL Strict Mode added*

#### #19 - 2018-03-08 19:59 - Markus Klein

- *Status changed from Resolved to Accepted*  
- *Complexity set to hard*

We reopen this ticket.

The issues we are facing currently are:

- MySQL in strict mode does not accept an empty string written to an integer database field
- The TCA default value is only applied to fields on creation of *new* records, not when updating one. (E.g. removing an endtime)
- Writing a correct integer value to a database that uses another datatype for this field (e.g. a varchar) will fail on certain DMBS too, for instance MS SQL Server
- FormEngine currently does not support NULL values for these fields (NULL means "unknown / undefined", whereas 0 has a defined meaning for

(date)time), which would be the correct value when not specifying a date.

The solution to all these problem is not doable with a bugfix but requires a more thorough refactoring to the core.

Due to these reasons we applied a workaround as a first counter-measure to the core, but for your extensions you have to apply the workaround as well.

**#20 - 2018-03-12 15:24 - Oliver Hader**

- *Target version set to 8.7.11*

**#21 - 2018-03-12 15:30 - Oliver Hader**

- *Status changed from Accepted to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [1751567b4d559bd05b759b1dac8554c9aca8ae09](#).

**#22 - 2018-05-02 14:41 - Oliver Hader**

- *Related to Bug #63735: High memory consumption in DataHandler->checkValue\_SW while bulk inserting added*

**#23 - 2018-10-02 10:55 - Benni Mack**

- *Status changed from Resolved to Closed*