

## TYPO3 Core - Bug #82080

### Indexes too large for some tables with utf8mb4

2017-08-11 09:33 - Tobias Hüske

<b>Status:</b>	Closed	<b>Start date:</b>	2017-08-11
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Install Tool	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	8	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

Hey,

after performing an update from a clean TYPO3 7.6.21 to 8.7.4 (maybe also when installing a clean 8.7.4) the Database Analyzer shows the following error:

**Specified key was too long; max key length is 3072 bytes.**

The query "CREATE INDEX `getDomainStartPage` ON `sys\_domain` (pid, hidden, domainName)" fails, because domainName has varchar(80).

utf8 works, utf8mb4 not. I think varchar(80) should be raised or the index limited -

[https://github.com/TYPO3/TYPO3\CMS/blob/b66275c83818ddc02bda04ab67c53bf901cad54d/typo3/sysext/frontend/ext\\_tables.sql#L163](https://github.com/TYPO3/TYPO3\CMS/blob/b66275c83818ddc02bda04ab67c53bf901cad54d/typo3/sysext/frontend/ext_tables.sql#L163).

What do you think? :)

Best regards  
Tobias

#### Related issues:

Related to TYPO3 Core - Bug #82551: Upgrade Wizard Deadlock	<b>Closed</b>	<b>2017-09-25</b>
Related to TYPO3 Core - Feature #80398: Make default charset and collation fo...	<b>Closed</b>	<b>2017-03-22</b>
Related to TYPO3 Core - Bug #89169: Redirects indey key too long after source...	<b>Closed</b>	<b>2019-09-13</b>

#### Associated revisions

##### Revision ed806ef5 - 2018-09-11 17:30 - Lienhart Voitok

[FEATURE] Use utf8mb4 on mysql for new instances

If installing a new TYPO3 instance on mysql, utf8mb4 is now used as default charset for the database connection and as default collation.

Upgraders may change LocalConfiguration to use utf8mb4, too. They however need to take care of changing their collations and setting according table defaults on their own.

A reports status check verifies there is no mixed collation.

Resolves: #80398

Resolves: #82080

Resolves: #82551

Releases: master

Change-Id: I6bf464a22c6ed74631bf5aacff9c2cfe670077da

Reviewed-on: <https://review.typo3.org/56440>

Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>

Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Tested-by: TYPO3com <no-reply@typo3.com>

Reviewed-by: Lienhart Voitok <lienhart.voitok@netlogix.de>

Tested-by: Lienhart Voitok <lienhart.voitok@netlogix.de>

Reviewed-by: Georg Großberger <garfieldius67@gmail.com>

Reviewed-by: Jigal van Hemert <[jigal.van.hemert@typo3.org](mailto:jigal.van.hemert@typo3.org)>

Tested-by: Jigal van Hemert <[jigal.van.hemert@typo3.org](mailto:jigal.van.hemert@typo3.org)>

## History

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### #1 - 2018-01-25 22:07 - Riccardo De Contardi

- Status changed from New to Needs Feedback

I've checked on 8.7.9 and latest master - the field domainName is now varchar(255)

Do you think it is sufficient to consider the issue closed?

thank you.

### #2 - 2018-02-16 14:52 - Tymoteusz Motylewski

Raising the domainName length will not make the issue disappear but will make it worse.

utf8mb4 uses 4 bytes per char, while "standard" utf8 collation uses 3 bytes per char.

This is why it fails on utf8mb4 and doesn't exceed the limit with plain utf8

### #3 - 2018-02-17 21:37 - Riccardo De Contardi

- Status changed from Needs Feedback to New

### #4 - 2018-03-02 13:45 - Tymoteusz Motylewski

- Related to Bug #82551: Upgrade Wizard Deadlock added

### #5 - 2018-03-02 13:45 - Tymoteusz Motylewski

- Related to Feature #80398: Make default charset and collation for new tables configurable added

### #6 - 2018-06-19 15:09 - Sybille Peters

What is the status on this?

Currently, if you want to use the (generally recommended) charset utf8mb4 for all tables, you can't because the indexes become too large (exceeds 1000 bytes).

This is currently the case in TYPO3 8 for:

- sys\_domain
- fe\_users
- sys\_refindex

### #7 - 2018-06-19 15:10 - Sybille Peters

- Subject changed from Specified key was too long when creating an index to Indexes too large for some tables with utf8mb4

### #8 - 2018-09-10 23:07 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 9 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/56440>

### #9 - 2018-09-11 18:00 - Lienhart Woitok

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [ed806ef550a63d9034bf4edba8b38b92b1fd71ed](https://review.typo3.org/56440).

### #10 - 2018-10-02 10:59 - Benni Mack

- Status changed from Resolved to Closed

### #11 - 2019-09-13 17:00 - Mathias Brodala

- Related to Bug #89169: Redirects indey key too long after source path increase added