

## Core - Bug # 67445

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have		
<b>Author:</b>	Morton Jonuschat	<b>Category:</b>	DBAL		
<b>Created:</b>	2015-06-14	<b>Assigned To:</b>	Morton Jonuschat		
<b>Updated:</b>	2015-07-09	<b>Due date:</b>			
<b>TYPO3 Version:</b>	7				
<b>PHP Version:</b>	5.6				
<b>Complexity:</b>					
<b>Is Regression:</b>	No				
<b>Sprint Focus:</b>					
<b>Subject:</b>	ALTER TABLE ADD KEY / DROP KEY unsupported				
<b>Description</b>					
<p>Using DBAL it is currently not possible to add or drop indexes. Only a partial/invalid query is generated from the MySQL Statement in the SQL Parser.</p> <p>Input:</p> <p>ALTER TABLE pages ADD KEY determineSiteRoot (is_siteroot);</p> <p>Statement generated by SQL Parser:</p> <p>(is_siteroot)</p> <p>Environment: TYPO3 7.3-dev@master</p> <p>Database: PostgreSQL 9.4</p>					
<b>Related issues:</b>					
blocks Core - Feature # 67301: Don't suggest database alterations for functio...			<b>Resolved</b> <b>2015-06-05</b>		

### Associated revisions

**Revision 88f2cf21 - 2015-07-09 22:31 - Morton Jonuschat**

[TASK] dbal: Add support for ALTER TABLE ADD/DROP KEY

Add support for creating and removing indices to DBAL. The SQL is generated using the respective ADOdb methods, so adding/removing PRIMARY keys is not possible.

MySQL prefix lengths will be removed from columns in an index definition unless the DBMS specifically enables support for this feature. To ensure that index columns get properly quoted by ADOdb the field names need to be wrapped in backticks.

Due to the common requirement that index names must be unique within a database/schema the requested index name will be prepended with a unique table name identifier.

Resolves: #67445

Resolves: #67531  
Releases: master  
Change-Id: I274be8df3078867309dde0d5771853c67903719d  
Reviewed-on: <http://review.typo3.org/40397>  
Reviewed-by: Stephan Großberndt <[stephan@grossberndt.de](mailto:stephan@grossberndt.de)>  
Tested-by: Stephan Großberndt <[stephan@grossberndt.de](mailto:stephan@grossberndt.de)>  
Reviewed-by: Markus Klein <[markus.klein@typo3.org](mailto:markus.klein@typo3.org)>  
Reviewed-by: Anja Leichsenring <[leichsenring@ab-softlab.de](mailto:leichsenring@ab-softlab.de)>  
Tested-by: Anja Leichsenring <[leichsenring@ab-softlab.de](mailto:leichsenring@ab-softlab.de)>

## History

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### #1 - 2015-06-14 23:12 - Frank Nägler

- *Category set to DBAL*

### #2 - 2015-06-15 06:31 - Morton Jonuschat

- *Assigned To set to Morton Jonuschat*

### #3 - 2015-06-15 13:52 - Morton Jonuschat

- *Status changed from New to In Progress*

### #4 - 2015-06-17 22:24 - Gerrit Code Review

- *Status changed from In Progress 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/40397>

### #5 - 2015-06-18 09:32 - 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 <http://review.typo3.org/40397>

### #6 - 2015-06-18 22:05 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

### #7 - 2015-06-18 23:20 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

### #8 - 2015-07-09 21:34 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

**#9 - 2015-07-09 21:44 - Gerrit Code Review**

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

**#10 - 2015-07-09 22:02 - Gerrit Code Review**

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

**#11 - 2015-07-09 22:09 - Stephan Großberndt**

- *Status changed from Under Review to In Progress*

**#12 - 2015-07-09 22:16 - Gerrit Code Review**

- *Status changed from In Progress to Under Review*

Patch set 8 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <http://review.typo3.org/40397>

**#13 - 2015-07-09 22:29 - Gerrit Code Review**

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

It is available at <http://review.typo3.org/40397>

**#14 - 2015-07-09 22:34 - Morton Jonuschat**

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:88f2cf211d032ac5e1d69dcef5ccfb8d4856d300.