

## Core - Bug # 16292

<b>Status:</b>	New	<b>Priority:</b>	Should have		
<b>Author:</b>	Martin Kutschker	<b>Category:</b>	DBAL		
<b>Created:</b>	2006-06-27	<b>Assigned To:</b>	Andreas Fernandez		
<b>Updated:</b>	2015-06-16	<b>Due date:</b>			
<b>TYPO3 Version:</b>	4.2				
<b>PHP Version:</b>					
<b>Complexity:</b>					
<b>Is Regression:</b>	No				
<b>Sprint Focus:</b>					
<b>Subject:</b>	installer doesn't cope with maximum table and field length (Oracle XE, MS SQL via DBlib)				
<b>Description</b>					
<p>In Oracle the max. length of names is 30 characters.</p> <p>So eg this index fails (ORA-00972):</p> <pre>CREATE INDEX "pages_language_overlay_t3ver_oid" ON "pages_language_overlay" ("t3ver_oid", "t3ver_wsid")</pre> <p>If you access MSSQL via DBlib (ntwdblib.dll &lt;=&gt; php_mssql.dll) there also exists this limitation.</p> <p>(issue imported from #M3751)</p>					
<b>Related issues:</b>					
related to Core - Bug # 23575: Allow DBAL to interact with EM to configure re...		<b>Resolved</b>	<b>2010-09-21</b>		
related to Core - Task # 64568: Implement automatic table mapping		<b>Under Review</b>	<b>2015-01-28</b>		
related to Core - Bug # 21730: ALTER TABLE is not able to parse length restri...		<b>Closed</b>	<b>2009-11-29</b>		
related to Core - Bug # 16293: installer lists indices under "add fields"		<b>Closed</b>	<b>2006-06-27</b>		

### History

#### #1 - 2006-06-27 23:00 - Karsten Dambekalns

For tables/fields this can be worked around by setting up a name mapping. For indexes this isn't possible currently.

#### #2 - 2006-07-07 14:08 - Martin Kutschker

For automatically created names like index names (or sequences and constarints?) DBAL could use the base name of the table concatenated with the md5 hash of the index name (truncated to the max name length).

#### #3 - 2006-07-14 10:49 - Martin Kutschker

Mapping should not be necessary for generated names.

DBAL should provide means to do some kind of auto-mapping. Doesn't ADOdb know about length restrictions?

#### #4 - 2006-10-11 20:27 - Karsten Dambekalns

I looked around, but ADOdb has no support for handling field name length issues (semi-)automatically.

**#5 - 2009-11-23 20:18 - Xavier Perseguers**

First "attempt" with attached patch.

**#6 - 2013-11-18 09:53 - Alexander Opitz**

- *Status changed from Accepted to Needs Feedback*
- *Target version deleted (0)*
- *TYPO3 Version set to 4.2*
- *Is Regression set to No*

Hi,

as this issue is very old. Does the problem still exists within newer versions of TYPO3 CMS (4.5 or 6.1)?

**#7 - 2013-11-18 10:09 - Xavier Perseguers**

Long time since I tried Oracle or MSSQL so I cannot stay, but I would expect the problem to still be there since:

1. It cannot obviously fix itself and virtually nobody is actively testing on anything else than MySQL
2. Install Tool has been completely rewritten in 6.2 and the "hook" I introduced is likely NOT to work anymore
3. Extbase is used more and more but is really not good at working with other DBMS

**#8 - 2013-11-18 15:03 - Alexander Opitz**

- *Status changed from Needs Feedback to New*

Hmmm but on the other side, I'd open many issues to the time around 4.3 to get dbal working with ORACLE, maybe it was fixed with another issue.

**#9 - 2015-01-21 09:41 - Mathias Schreiber**

- *Status changed from New to Needs Feedback*
- *Assigned To changed from Xavier Perseguers to Andreas Fernandez*

@Andy: thoughts?

**#10 - 2015-01-21 09:51 - Andreas Fernandez**

This is still an issue, as you have to set the mappings in LocalConfiguration **before** starting the installation. With the patch that handles large IN lists I created a base to tackle further DBMS specific issues. But this is a very tough one, as you can catch the processed table and its length, but how do we proceed then?

- Throw an exception that says "Table length is not compliant to your used DBMS" (e.g. 30 in Oracle)? This won't get into 6.2.
- Generate a random table name as defined by more random rules (e.g. replace "extbase" with "xtb", "pages" with "pg" and so on).

Also, this issue occurs with indeces, sometimes they exceed the limit, too.

#11 - 2015-06-16 08:33 - Alexander Opitz

- Status changed from Needs Feedback to New

## Files

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3751.diff	4.2 kB	2009-11-23	Administrator Admin
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