

Core - Bug # 16689

Status:	Closed	Priority:	Should have
Author:	Martin Kutschker	Category:	DBAL
Created:	2006-11-06	Assigned To:	Xavier Perseguers
Updated:	2009-11-20	Due date:	
TYPO3 Version:			
PHP Version:			
Complexity:			
Is Regression:			
Sprint Focus:			
Subject:	Index on tx_realurl_uniqalias breaks with DBAL		
Description			
The length restriction is not compatible with DBAL:			
KEY bk_realurl02 (tablename,field_alias,field_id,value_alias(230),expire)			
Other DBs do not support this syntax (but may allow for expressions in indices) or may not need it at all.			
(issue imported from #M4466)			
Related issues:			
related to Core - Bug # 21730: ALTER TABLE is not able to parse length restri...		Closed	2009-11-29

History

#1 - 2007-01-04 16:03 - Dmitry Dulepov

I expect that DBAL takes care for proper conversion between various syntaxies. Since mysql is main db for typo3 and this index improves performance a lot, I prefer to keep it as is.

#2 - 2007-01-04 16:27 - Martin Kutschker

Well, this specific syntax is unique to Mysl. You may create a similar effect in other (but not all!) DBs but it's complicated and not easily done.

There shouldn't be no need for DBAL to deal with such an edge case.

BTW, if you want a Mysqlq specific hack have a look at my comment in #4395 and set the table or the used fields to latin1. This will make your index shorter and maybe a bit faster as well.

#3 - 2007-01-04 16:32 - Dmitry Dulepov

I thought that dbal is supposed to provide compatibility between databases... This is precizely that case. I should not really care about mssql, sqllite, oracle, etc while writing table definitions.

#4 - 2007-01-04 17:27 - Martin Kutschker

Yes, it should and does, but some things are simply not portable.

#5 - 2007-01-08 09:02 - Dmitry Dulepov

Yes, but DBAL still may analyze this in some way? Dropping index will be extreme scenario, otherwise index length can be changed...

#6 - 2007-01-08 09:29 - Martin Kutschker

DBAL could ignore the length restriction. AFAIK only Mysql has a 1000 byte key length restriction. So why blame DBAL if Mysql is the bummer ;-))

#7 - 2007-01-08 09:31 - Dmitry Dulepov

I do not blame it, I think it can handle it because its purpose is to adopt sql to other systems :)

#8 - 2007-01-08 16:01 - Martin Kutschker

I see.

Well, child, now is the day you have to learn that your father does not know everything and there are things he cannot accomplish :-)

#9 - 2007-01-08 16:04 - Dmitry Dulepov

I really cannot understand why DBAL cannot convert
KEY bk_realurl02 (tablename,field_alias,field_id,value_alias(230),expire)
to
KEY bk_realurl02 (tablename,field_alias,field_id,value_alias,expire)

Is it so difficult?

#10 - 2007-01-08 18:07 - Martin Kutschker

It could skip it, yes. And I think it does already, I recall adding some code into 4.0.3 that deals with this issue.

#11 - 2009-11-16 23:23 - Xavier Perseguers

Index size is not 230 anymore but 220 but the bug still occurs, explained on
<http://xavier.perseguers.ch/en/tutorials/typo3/articles/oracle-database/configuring-typo3.html>

#12 - 2009-11-17 08:01 - Dmitry Dulepov

RealURL is mainly MySQL oriented because majority of TYPO3 users use MySQL. So I am not going to sacrifice performance for those users. Sorry :(
If DBAL can't convert indexes to other supported format, we only have to say that RealURL does not work with DBAL out of the box because DBAL cannot provide proper conversion. That's it.

In the new version of RealURL index will change to:
KEY bk_realurl02 (tablename,field_alias,field_id,value_alias(20),expire)

#13 - 2009-11-17 08:16 - Xavier Perseguers

Hi Dmitry, I totally agree with you, RealURL should not be changed. Attached patch simply drops the length restriction when using DBAL.

#14 - 2009-11-17 08:21 - Dmitry Dulepov

Thanks! :) This is a great solution! :) I see DBAL becomes better and better in your hands :)

#15 - 2009-11-17 20:28 - Oliver Hader

Committed to SVN Trunk (rev. 6463)

Files

4466_core.diff	1.7 kB	2009-11-17	Administrator Admin
4466_dbal-unittest.diff	1.4 kB	2009-11-17	Administrator Admin