TYPO3 Core - Bug #17054

Use MySQL fulltext keys in indexed_search

2007-02-28 14:54 - Peter Russ

Status:	Closed		**Start date:**	2007-02-28
Priority:	Should have		**Due date:**	
Assignee:	Michael Stucki		**% Done:**	0%
Category:	Indexed Search		**Estimated time:**	0.00 hour
Target version:				
TYPO3 Version:	4.7		**Complexity:**	
PHP Version:			**Is Regression:**	
Tags:			**Sprint Focus:**	

Description

It takes several 10s of seconds to get serach result displyed.
The problem is the "fulltext" search on a regular index either on index_fulltext.fulltext or on index_words.baseword performed by a like '%nonsense%' query.

We could speed up the time (10s of sec down to millisec) by do the following:
1) adding fulltext index to index_fulltext.fulltext and index_words.baseword
2) changed query in class.tx_indexedsearch.php to use fulltext capabilites of MySql.

Limitation: requires newer versions of MySql (4.0 or later)

Find diff for latest 4.0.5 attached

(issue imported from #M5089)

History

#1 - 2007-03-20 13:03 - Peter Russ

At default indexed_search queries these fields by using a "like '%whatever%'" where condition. This is not very performant. As there are not more fields required for that I see no need to blow up the fulltext index.

To make it short: the content of these columns is text ;-)
If you want to index fulltext is the only way which makes sense.

#2 - 2008-11-08 20:14 - Michael Stucki

Attached is a patch "indexed_search_fulltext.diff " that integrates a new extension "indexed_search_mysql" into TYPO3. The patch is made for Trunk but it should be portable to 4.2 without problems.

Proceed as following:
- Apply the patch
- Install "indexed_search_mysql"
- a) either truncate all index_* tables or b) optimize index_fulltext to create the index (unsupported, but should work)

Feedback is welcome.

#3 - 2008-11-08 20:19 - Michael Stucki

Additional patch "indexed_search_fulltext_4-2.diff" contains this feature plus a backport of the treelist cache, so it will result in a much faster search engine.

This patch is not targetted for integration in 4.2, so you will have to patch your 4.2 systems manually...

#4 - 2011-02-08 15:07 - Jochen Rieger

Wouldn't it be good if this patch will be ported to recent TYPO3 versions as well?

Maybe even include an option in indexed_search's ext conf that can be set to make use of the MySQL fulltext feature...?

#5 - 2012-08-12 22:45 - Steffen Gebert

- Status changed from Accepted to Resolved

- Target version deleted (0)

- TYPO3 Version set to 4.7

Use system extension indexed_search_mysql.

#6 - 2018-10-02 12:32 - Benni Mack

- Status changed from Resolved to Closed

Files

class.tx_indexedsearch.php.diff	1.72 KB	2007-02-28	Administrator Admin
indexed_search_fulltext.diff	78.4 KB	2008-11-08	Administrator Admin
indexed_search_fulltext_4-2.diff	108 KB	2008-11-08	Administrator Admin