

# TYPO3 Core - Bug #90977

## possible race condition in indexedsearch

2020-04-07 23:17 - Jonas Eberle

<b>Status:</b>	New	<b>Start date:</b>	2020-04-07
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Indexed Search	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	9	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
During artificially high load on a dev system (9.5.15) with 6 php-fpm threads I am able to provoke			
An exception occurred while executing 'INSERT INTO `index_words` (`wid`, `baseword`, `metaphone`) VALUES (?, ?, ?)' with params [139691952, "gelungenen", "99353181"]: Duplicate entry '139691952' for key 'PRIMARY'			
<b>Backtrace:</b>			
...			
at TYPO3\CMS\Core\Database\Connection->insert('index_words', array('wid' => 139691952, 'baseword' => 'gelungenen', 'metaphone' => '99353181'))			
in /var/www/html/src/public/typo3/sysext/indexed_search/Classes/Indexer.php line 2170			
at TYPO3\CMS\IndexedSearch/Indexer->checkWordList(array('unkomplizierte' => array('first' => 1, 'hash' => 19668563, 'metaphone' => '1229927', 'count' => 1), 'flügelkonzept' => array('first' => 5, 'hash' => 180729245, 'metaphone' => '146113107', 'count' => 1), 'neuesten' => array('first' => 10, 'hash' => 188782041, 'metaphone' => '67006256', 'count' => 1), 'erkenntnisse' => array('first' => 11, 'hash' => 15462739, 'metaphone' => '180751463', 'count' => 4), 'forschung' => array('first' => 13, 'hash' => 152791788, 'metaphone' => '99883556', 'count' => 1), 'langjährigen' => array('first' => 16, 'hash' => 82744380, 'metaphone' => '128523246', 'count' => 1), 'mflugzeugen' => array('first' => 23, 'hash' => 38128782, 'metaphone' => '7174348', 'count' => 1), 'resultat' => array('first' => 25, 'hash' => 209439804, 'metaphone' => '167262399', 'count' => 2), 'harmlose' => array('first' => 32, 'hash' => 251103929, 'metaphone' => '204428637', 'count' => 1), 'gleitleistung' => array('first' => 36, 'hash' => 132977964, 'metaphone' => '31057351', 'count' => 1), 'offenen' => array('first' => 44, 'hash' => 215076010, 'metaphone' => '7547654 ...			
This seems to be a race condition as it does not show itself under low loads. Yet it is very seldom.			
<b>Related issues:</b>			
Related to TYPO3 Core - Bug #84541: Uncaught TYPO3 Exception in indexed_search...		<b>New</b>	<b>2018-03-27</b>

### History

#### #1 - 2021-09-08 07:10 - Xavier Perseguers

Didn't investigate with load (unsure there's a high load at all) but can reproduce this problem under TYPO3 v10.

#### #2 - 2021-09-08 07:29 - Jonas Eberle

I suspected it was about 2 threads concurrently indexing and racing checks for "term exists already" vs. persisting, but it might also only depend on a specific current state + newly indexed terms.

I would love to have a reproducible case but wasn't able to come up with one.

#### #3 - 2021-09-08 09:58 - Xavier Perseguers

- Related to Bug #84541: Uncaught TYPO3 Exception in indexed\_search: duplicate key (hash) error added