Core - Bug # 55181

Epic # 55070 (Accepted): Workpackages

Epic # 55065 (New): WP: Overall System Performance (Backend and Frontend)

Task # 55179 (Closed): Optimize SQL Performance

Status:	Resolved	**Priority:**	Should have
Author:	Ingo Schmitt	**Category:**	Performance
Created:	2014-01-20	**Assigned To:**	Ingo Schmitt
Updated:	2014-02-18	**Due date:**	
TYPO3 Version:	6.2		
PHP Version:			
Complexity:			
Is Regression:	No		
Sprint Focus:			
Subject:	Speedup domain redirection lookup		

Description

The get sysDomainCache detects if a domain is redirected by issuing the query:

Count: 125 Time=0.00s (0s) Lock=0.00s (0s) Rows=262.0 (32750), webuser[webuser]@localhost

  SELECT pid, domainName, forced FROM sys_domain WHERE redirectTo='S' AND sys_domain.hidden=N ORDER BY sorting ASC
TypoScriptFrontendController->getSysDomainCache()

There is no Database key on hidden and redirectTo. By setting a index the execution would be speeded up.

Associated revisions

Revision 84543545 - 2014-01-30 20:51 - Ingo Schmitt

[Bugfix] Add Index on sys_domain

TYPO3 checks if a redirect is needed for a domain by issuing a
select on sys_domain. In the where clause the columns redirectTo
and hidden are used. These columns have no index, thus the
select is slow.

This patch adds the combined key to the sql definition.

Resolves: #55181
Releases: 6.2
Change-Id: I7d7463e0d3e6abb53c4b0fccf205e4b1eb867878
Reviewed-on: https://review.typo3.org/27167
Reviewed-by: Anja Leichsenring
Tested-by: Anja Leichsenring
Reviewed-by: Benjamin Mack
Tested-by: Benjamin Mack

History

#1 - 2014-01-30 20:04 - Gerrit Code Review

- Status changed from New 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 https://review.typo3.org/27167

#2 - 2014-01-30 21:30 - Ingo Schmitt

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:84543545ac27914e02f5e2fc66fb085dc6447cd6.

#3 - 2014-02-04 23:40 - Steffen Müller

I went through the query and tried to reproduce the speed enhancements with approx. 3000 rows of sample data.

The index seems never to be used:

```
mysql> EXPLAIN SELECT pid, domainName, forced FROM sys_domain WHERE redirectTo='http://foobar/' AND hidden=0 ORDER BY sorting ASC;
+----+-------------+-----------+------+------------------+------+---------+------+------+-----------------------------+
| id | select_type | table     | type | possible_keys    | key  | key_len | ref  | rows | Extra                       |
+----+-------------+-----------+------+------------------+------+---------+------+------+-----------------------------+
|  1 | SIMPLE      | sys_domain | ALL  | redirectTo_hidden | NULL | NULL    | NULL | 3032 | Using where; Using filesort |
+----+-------------+-----------+------+------------------+------+---------+------+------+-----------------------------+
1 row in set (0.00 sec)
```

Can you reproduce this or otherwise provide some more details about your test setup where the index is used?

#4 - 2014-02-18 09:47 - Ingo Schmitt

- Estimated time changed from 0.50 to 2.00