Core - Task # 54725

Epic # 55070 (Accepted): Workpackages

  Epic # 54260 (Accepted): WP: FAL Missing Issues / Features / API

  Story # 54266 (New): As an User I want FAL to be performant

  Task # 51094 (Resolved): SQL-Optimize the FAL

Status:	Resolved	**Priority:**	Should have
Author:	Ingo Schmitt	**Category:**	Performance
Created:	2014-01-03	**Assigned To:**	Ingo Schmitt
Updated:	2014-03-17	**Due date:**	

TYPO3 Version:	6.2
PHP Version:	
Complexity:	
Sprint Focus:	

Subject:	Add Indexes to sys_file_reference

Description

Szenario:

~~>Setup two 6.2 Installations with content, pages, images based on heimwerker.de and gartencenter.de~~

>Activated all logs

~~>worked in the backend~~

>called different pages in the fe via AP

->Analysed mysql_slow_log by mysqldumpslow (look into you mysql distribution)

...

Count: 6 Time=0.02s (0s) Lock=0.00s (0s) Rows=0.8 (5), root[root]@localhost

  SELECT uid FROM sys_file_reference WHERE uid_foreign=N AND sys_file_reference.deleted=N AND tablenames='S' AND fieldname='S' AND sys_file_reference.t3ver_wsid=N AND sys_file_reference.pid!=-N ORDER BY so

rting_foreign

Count: 24 Time=0.01s (0s) Lock=0.00s (0s) Rows=0.4 (9), root[root]@localhost

  SELECT uid FROM sys_file_reference WHERE uid_foreign = N AND fieldname = 'S' AND tablenames = 'S' AND sys_file_reference.deleted=N

Count: 1765 Time=0.01s (21s) Lock=0.00s (0s) Rows=0.4 (732), root[root]@localhost

  SELECT * FROM sys_file_reference WHERE tablenames='S' AND deleted = N AND hidden = N AND uid_foreign=N AND fieldname='S' ORDER BY sorting_foreign

...

Solution should be to add indices to the table sys_file_reference

KEY: tablenames and filedname

KEY: deleted

KEY: uid_foreign

So only at the first query only one colums is not using a index.

Related issues:

blocked by Core - Task # 54726: sys_file_reference.fieldname optimize columns	**Resolved**	**2014-01-03**

Associated revisions

Revision 6335a24a - 2014-01-08 10:43 - Ingo Schmitt

[TASK] Adapt indexes of sys_file_reference

The backend and frontend fire several queries for referenced
files - files with metadata overlay as used in tt_content for
images and media field as well as in pages:media.
Analysing the queries for that some indexed should be added
to improve the query speed on large installations.

This patch adds indexed for the table/fieldname combination
as well es the uid of the record the file is attached to.

Resolves: #54725
Releases: 6.2
Change-Id: I229e27e382e8d0fdaf9bbc0b6729f90dac019e19
Reviewed-on: https://review.typo3.org/26626
Reviewed-by: Steffen Ritter
Tested-by: Steffen Ritter

History

#1 - 2014-01-03 16:21 - 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/26626

#2 - 2014-01-03 16:37 - Ingo Schmitt

After Applying 54725 and 54726 my speed improvement by 100 cycles in AB was 10%

#3 - 2014-01-03 17:22 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/26626

#4 - 2014-01-03 17:31 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/26626

#5 - 2014-01-06 21:03 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/26626

#6 - 2014-01-07 18:44 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.

It is available at https://review.typo3.org/26626

#7 - 2014-01-08 10:11 - Steffen Ritter

- Parent task set to #51094

#8 - 2014-01-08 10:43 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages**/**TYPO3.CMS** has been pushed to the review server.

It is available at https://review.typo3.org/26626

#9 - 2014-01-08 11:30 - Ingo Schmitt

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:6335a24af49709e956c1ceb177f999a8fbcc6058.

#10 - 2014-01-08 11:31 - Steffen Ritter

- % Done changed from 100 to 90

#11 - 2014-02-20 13:59 - Steffen Ritter

- Assigned To set to Ingo Schmitt

#12 - 2014-03-17 18:39 - Steffen Ritter

- % Done changed from 90 to 100