

TYPO3 Core - Bug #66231

Workspace very slow loading page tree

2015-04-02 08:57 - TSniper no-lastname-given

Status:	Closed	Start date:	2015-04-02
Priority:	Should have	Due date:	
Assignee:		% Done:	100%
Category:	Workspaces	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	6.2	Is Regression:	No
PHP Version:		Sprint Focus:	
Tags:			

Description

Hello everybody,

I wish that i'm posting in the right place for this issue that i have, with my team we have just upgraded from 4.6 to 6.2 Since then editors have major performance issues in the typo3 backend.

They get a lot of timeouts when trying to open pages in the backend ("Connection Problem Sorry, but an error occurred while connecting to the server. Please check your network connection.")

It takes sometimes up to 5 minutes until the page tree is opened.

We saw the the request to typo3/ajax.php?ajaxID=ExtDirect::route&namespace=TYPO3.Components.

PageTree really takes a long long time, get's timeouts or even responds with 500.
Basically the backend becomes impossible to work in.

i think the problem is related to the TYPO3\CMS\Workspaces\ExtDirect\AbstractHandler.

File : AbstractHandler.php

```
92 : $versions = $this->getWorkspaceService()->selectVersionsInWorkspace($this->getCurrentWorkspace(), 0, 99, 1, 0,

```

Any body can help me on this ?

Thanks in advance.

Related issues:

Related to TYPO3 Core - Bug #61184: Backend - Page Tree in Workspace & Publis...	Closed	2014-08-26
Related to TYPO3 Core - Task #50349: Reduce SQL queries of page tree in works...	Closed	2013-07-24
Related to TYPO3 Core - Task #69439: Enhance SQL query reduction in page tree...	Closed	2015-08-31
Related to TYPO3 Core - Bug #77618: Workspace PageTree can become super-slow	Closed	2016-08-24

Associated revisions

Revision 37cd2d50 - 2015-07-16 12:02 - Nicole Cordes

[TASK] Reduce SQL queries of page tree in workspaces

Nodes of the page tree are highlighted, if that particular node has versioned elements in the current workspace. However, this is determined by iterating over all tables and all records for each page. If having installed many extensions with many tables and many records, this will produce a lot of SQL queries.

This patch introduces a new cache for record versions per page which is fetched once from the database. This cache is located within the \TYPO3\CMS\Workspaces\Service\WorkspaceService and can be shared between

several other classes as this implements a SingletonInterface.

Resolves: #50349
Resolves: #66231
Related: #61184
Releases: master, 6.2
Change-Id: Ibaef07bdab87147c6826af8578870c52803dfe03
Reviewed-on: <http://review.typo3.org/22528>
Reviewed-by: Georg Ringer <georg.ringer@gmail.com>
Tested-by: Georg Ringer <georg.ringer@gmail.com>
Reviewed-by: Nicole Cordes <typo3@cordes.co>
Tested-by: Nicole Cordes <typo3@cordes.co>

Revision d2c4bbbb - 2015-07-16 12:21 - Nicole Cordes

[TASK] Reduce SQL queries of page tree in workspaces

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Resolves: #50349
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Related: #61184
Releases: master, 6.2
Change-Id: Ibaef07bdab87147c6826af8578870c52803dfe03
Reviewed-on: <http://review.typo3.org/41425>
Reviewed-by: Nicole Cordes <typo3@cordes.co>
Tested-by: Nicole Cordes <typo3@cordes.co>

Revision c45de676 - 2015-07-17 14:02 - Nicole Cordes

[FOLLOWUP][TASK] Reduce SQL queries of page tree in workspaces

The patch adds a check if workspaces is activated before using its class and function.

Releases: 6.2
Resolves: #50349
Resolves: #66231
Related: #61184
Change-Id: I12bc2d496f2216725ac97a8640bc6c431630cc7a
Reviewed-on: <http://review.typo3.org/41553>
Reviewed-by: Daniel Goerz <ervaude@gmail.com>
Reviewed-by: Susanne Moog <typo3@susannemoog.de>
Tested-by: Susanne Moog <typo3@susannemoog.de>
Reviewed-by: Nicole Cordes <typo3@cordes.co>
Tested-by: Nicole Cordes <typo3@cordes.co>

History

#1 - 2015-04-07 17:20 - TSniper no-lastname-given

Here the message from firebug console :

POST <http://mydomain/directory/typo3/ajax...axID=ExtDirect::route&namespace=TYPO3.Workspaces> Aborted 29,94s

Referer http://mydomain/directory/typo3/mod.php?M=web_WorkspacesWorkspaces&moduleToken=2b08a7ba

#2 - 2015-04-09 11:03 - Martin Tepper

Maybe this fix will solve it.

<https://github.com/ohader/TYPO3.CMS-Workspaces/commit/e4fe2cba200ad18b1d3ba98fc700196fc10c0556>

Could you check it please?

Related to <https://forge.typo3.org/issues/61184>

#3 - 2015-04-15 09:00 - Martin Tepper

We checked the commit from Oliver and got a better performance. The difference is around 5 seconds!

#4 - 2015-04-15 10:30 - 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 <http://review.typo3.org/38700>

#5 - 2015-05-27 13:32 - Grigori Prokhorov

Hi all,

Martin Trepper's patch from comment [#66231-2](#) does in fact resolve the issue.

The original code is apparently yet unchanged in any TYPO3 CMS 6 version up¹ to² 6.2.12, so that I don't quite see how this could solve this issue aside from being a temporary fix.

The only issue I have with the patch is that it drops the second part of the workspace record check, i.e. the WHERE-clause includes

```
'A.pid=-1' .  
' AND A.t3ver_wsid=' . $workspaceId .  
' AND A.t3ver_oid=B.uid' .  
BackendUtility::deleteClause($tableName, 'A') .  
BackendUtility::deleteClause($tableName, 'B')
```

what for `tt_content` translates to

```
SELECT  
    B.uid as live_uid,  
    B.pid as live_pid,  
    A.uid as offline_uid  
FROM  
    tt_content as A,  
    tt_content as B  
WHERE  
    A.pid = -1  
    AND A.t3ver_wsid = ###WORKSPACE_ID###  
    AND A.t3ver_oid = B.uid  
    AND A.deleted = 0  
    AND B.deleted = 0
```

but drops the part

```
    A.t3ver_oid = B.uid  
AND A.t3ver_state<>4  
    OR A.t3ver_oid=B.t3ver_move_id  
AND A.t3ver_state=4
```

This means that the versioning state is not regarded at all, although it's not quite clear to me why it should have been regarded in the first place since an editor can not select the versioning state when looking at the page tree anyway.

I am therefore "+1"-ing the solution proposed in [#66231](#) to be included into the core as a proper fix for this issue.

Best,
Grigori

1
<https://forge.typo3.org/projects/typo3cms-core/repository/revisions/master/entry/typo3/sysex/Backend/Classes/TreeView/AbstractTreeView.php#L930>

2
<https://forge.typo3.org/projects/typo3cms-core/repository/revisions/master/entry/typo3/sysex/workspaces/Classes/ExtDirect/PagetreeCollectionsProcessor.php#L75>

#6 - 2015-07-15 21:28 - 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 <http://review.typo3.org/22528>

#7 - 2015-07-15 23:24 - 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 <http://review.typo3.org/22528>

#8 - 2015-07-16 12:06 - Nicole Cordes

- Status changed from *Under Review* to *Resolved*
- % Done changed from 0 to 100

Applied in changeset [37cd2d5084d48e77e17e8fb14ecbb5e55c7946c7](#).

#9 - 2015-07-16 12:15 - Gerrit Code Review

- Status changed from *Resolved* to *Under Review*

Patch set 1 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/41425>

#10 - 2015-07-16 12:20 - Gerrit Code Review

Patch set 2 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/41425>

#11 - 2015-07-16 12:30 - Nicole Cordes

- Status changed from *Under Review* to *Resolved*

Applied in changeset [d2c4bbbb34ffe31ad2007573158819b3ce4aeee65](#).

#12 - 2015-07-17 11:58 - Gerrit Code Review

- Status changed from *Resolved* to *Under Review*

Patch set 1 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/41553>

#13 - 2015-07-17 14:13 - Nicole Cordes

- Status changed from *Under Review* to *Resolved*

Applied in changeset [c45de676a41672f4780875e05fd389cbb66a8a96](#).

#14 - 2015-08-17 12:29 - Sara no-lastname-given

We've tried this fix but it just breaks the website.

Need to go live at the end of this week so if anyone has any ideas on fixing this problem I'd be very grateful!

A new ticket has been opened detailing the problems we're having <https://forge.typo3.org/issues/69068>

#15 - 2018-10-02 11:45 - Benni Mack

- Status changed from *Resolved* to *Closed*