Core - Bug # 57393

Task # 57578 (Accepted): TceformsUpdateWizard improvements (Migrate all file relations from tt_content.image and pages.media)

Status:	Resolved	**Priority:**	Must have
Author:	Benjamin Pucher	**Category:**	Install Tool
Created:	2014-03-27	**Assigned To:**	
Updated:	2015-03-02	**Due date:**	
TYPO3 Version:	6.2		
PHP Version:	5.3		
Complexity:	medium		
Is Regression:	No		
Sprint Focus:			
Subject:	Endless Loop in TceformsUpdateWizard		

Description

I'm currently updating a large TYPO3 Website from 4.5 to 6.2 and have found a bug in the Upgrade Wizard.
The migration with title 'Migrate all file relations from tt_content.image and pages.media'
(typo3/sysext/install/Classes/Updates/TceformsUpdateWizard.php) ends up in an endless loop.
The problem exists in the do/while loop starting at line 188 respectively in the getRecordsFromTable method in
typo3/sysext/install/Classes/Updates/TceformsUpdateWizard.php.

```
188 do {
189     $records = $this->getRecordsFromTable($table, $fieldToMigrate, $fieldsToGet, self::RECORDS_PER_QUERY);
190     foreach ($records as $record) {
191         $this->migrateField($table, $record, $fieldToMigrate, $fieldConfiguration, $customMessages);
192     }
193 } while (count($records) === self::RECORDS_PER_QUERY);
```

self::RECORDS_PER_QUERY is set to 1000. Every time a query like 'select ... LIMIT 1000' is created. Because there's no starting
point defined after the LIMIT statement (which should be 0 on first loop and then += self::RECORDS_PER_QUERY) the query will
always fetch the first self::RECORDS_PER_QUERY entries. Thus the while condition is always true.
To fix this the LIMIT statement should have the starting point included like LIMIT <entries_fetched_so_far>,
self::RECORDS_PER_QUERY.

Please fix this asap since many people will update their TYPO3 LTS Websites shortly.

Related issues:

related to Core - Bug # 43725: TceformsUpdateWizard exceeds memory_limit/max_...	**Accepted**	**2012-12-07**
related to Core - Task # 57572: TceformsUpdateWizard has to handle SQL errors	**Resolved**	**2014-04-02**

Associated revisions

Revision 57f749d1 - 2015-03-02 21:22 - Nicole Cordes

[BUGFIX] Prevent infinite loop in TceformsUpdateWizard

If you have more than 1000 missing files within file relations in
tt_content.image and pages.media an infinite loop pops up, because
always the same records are fetched from database. This patch stores
the uids of failed records for each table to prevent the infinite loop
and restart processing after timeout.

Releases: 6.2

Resolves: #57393

Change-Id: I559be13efe88ae3111321dafb8d6a79886f903ae

Reviewed-on: http://review.typo3.org/37032

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Reviewed-by: Markus Klein <klein.t3@reelworx.at>

Tested-by: Markus Klein <klein.t3@reelworx.at>

History

#1 - 2014-04-01 13:44 - Steffen Krüchten

I can confirm this Bug, also trying to update a small Installation to 6.2.0 from 4.5.32 with PHP 5.3.27. Everything else went smooth, Frontend is up and running but no Content images at all.

Upgrade Wizard throws a "Uncaught TYPO3 Exception" in Debug-Mode when trying to execute "Migrate all file relations from tt_content.image and pages.media":
PHP Warning: Invalid argument supplied for foreach() in typo3/sysext/install/Classes/Updates/TceformsUpdateWizard.php line 190.

#2 - 2014-04-02 17:36 - Markus Klein
- Status changed from New to Needs Feedback
- Target version deleted (next-patchlevel)

These are two different issues.

The issue reported here is IMO not an issue. The limit is ok, you can always start from 0, because the select query only looks at records not yet migrated!

Regarding the foreach() thing. There seems to be a DB issue, the select seems to fail.
I'll create a new ticket for this, which introduces a better check and issues an exception with the SQL error.

#3 - 2014-04-02 19:06 - Markus Klein

The new ticket for the foreach() issue is #57572

#4 - 2014-04-02 19:36 - Markus Klein
- Parent task set to #57578

#5 - 2014-04-25 15:28 - Tobias Braumann

I can confirm this Bug, too. In our case the Problem was that we have a lot of pictures in tt_content,
which no longer exist and the script don't set the image field to 1 or delete the entries.
So in the foreach() there are still the same 1000 entries (infinityloop).

We fix that problem by increasing the value self::RECORDS_PER_QUERY to the number of entries from tt_content.

#6 - 2014-08-27 15:18 - Alexander Opitz

- Status changed from Needs Feedback to New

#7 - 2014-11-18 09:44 - Sebastian Helzle

We also had this issue today with a big site (~15000 pages) and more than 1000 missing media files in the page properties because we tried the upgrade on a lightweight copy without the assets.

#8 - 2015-02-20 01:56 - Gerrit Code Review

- Status changed from New 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/37032

#9 - 2015-02-20 01:57 - 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/37032

#10 - 2015-02-20 12:57 - Gerrit Code Review

Patch set 3 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/37032

#11 - 2015-02-20 13:25 - Markus Klein

We kindly ask you to please test the patch linked above with your databases.
If it works for you, please vote accordingly.

Thanks a lot!

#12 - 2015-02-20 13:25 - Markus Klein

- Target version set to next-patchlevel
- Complexity changed from easy to medium

#13 - 2015-02-20 13:30 - Gerrit Code Review

Patch set 4 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/37032

#14 - 2015-02-20 13:35 - Gerrit Code Review

Patch set 5 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/37032

#15 - 2015-02-26 14:14 - shanmugarajan k

It seems,once click Execute, i never see this "Migrate all file relations from tt_content.image and pages.media" upgrade wizard.

I have around 10000+ records.

I re-imported the db, but still i could not see the wizard again. can you please let me know if i doing something wrong?

#16 - 2015-02-27 16:07 - shanmugarajan k

i just saw in the LocalConfiguration.php

'INSTALL' => array() having the 'wizardDone' wizard is entered. Hence its not visible again.

so it seems, this is added as soon as first run completed.

#17 - 2015-02-27 19:25 - Markus Klein

@shanmugarajan

Which TYPO3 version are you upgrading from?
Are you sure you actually need this patch?

It can well be that the wizard manages to complete the migration in one go, so it won't show up again.

#18 - 2015-02-27 23:27 - shanmugarajan k

Hello Markus,

Yes. i upgrading from 4.5 to 6.2.

Yes. needed. thanks.

#19 - 2015-03-02 21:30 - Nicole Cordes
- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset commit:57f749d1fec1fa4964f37627ec9868cfdfbd4382.