Core - Bug # 67077

Status:	Needs Feedback		Priority:	Should have
Author:	alexis nicolas		Category:	DBAL
Created:	2015-05-21		Assigned To:	alexis nicolas
Updated:	2015-05-27		Due date:	

TYPO3 Version:	7
PHP Version:	5.5
Complexity:	hard
Is Regression:	No
Sprint Focus:	

Subject:	PHP error on page creation

Description

In 7.2 when trying to create a page, pagetree remain stuck on "Please wait..." and exception is raised:

PHP Catchable Fatal Error: Argument 2 passed to TYPO3\CMS\Backend\Utility\IconUtility::getSpriteIconForRecord() must be of the type array, null given, called in C:\wamp\www\typo3_7.2\typo3\sysext\backend\Classes\Tree\Pagetree\Commands.php on line 349 and defined in C:\wamp\www\typo3_7.2\typo3\sysext\backend\Classes\Utility\IconUtility.php line 693

Logging in faulty files displays nothing, but the trouble seems to be caused by 'pages' table row number used by the newly created page.

Related issues:			
related to Core - Epic # 64459: Make TYPO3 run on PostgreSQL		**New**	**2015-01-23**

History

#1 - 2015-05-21 12:07 - Markus Klein

Are you testing on latest master branch?
Is your DB up to date?

#2 - 2015-05-21 12:33 - alexis nicolas

Yes, I'm on latest master branch and PostgreSQL is up to date.

#3 - 2015-05-21 12:55 - Markus Klein

Ah ok, then I was mislead. You didn't mention that DBAL is active ;-)

So you need to search backwards where this second argument stems from. I guess from some DB query that fails.
Did you enable the Development-Preset in the Install Tool? A failed SQL query should show up then in the BE.
(If it happens in an AJAX request, check the content returned by that request, it will contain the backtrace.)

#4 - 2015-05-21 14:07 - alexis nicolas

Develoment preset is active and I find no SQL related error. But you're right, a syntaxe error is returned in a JSON answer from
typo3/ajax.php?ajaxID=ExtDirect::route&namespace=TYPO3.Components.PageTree:

[{"tid":6,"action":"Commands","method":"insertNodeAfterDestination","type":"rpc","result":{"success":false,"message":"PHP Catchable Fatal Error: Argument 2 passed to TYPO3\\CMS\\Backend\\Utility\\IconUtility::getSpriteIconForRecord() must be of the type array, null given, called in C:\\wamp\\www\\TYPO3.CMS\\typo3\\sysext\\backend\\Classes\\Tree\\Pagetree\\Commands.php on line 350 and defined in C:\\wamp\\www\\TYPO3.CMS\\typo3\\sysext\\backend\\Classes\\Utility\\IconUtility.php line 693"},"debug":""}]

And this problem remains in master dev branch.

#5 - 2015-05-22 08:16 - Andreas Fernandez

The error itself it caused by $record being NULL, but $record['uid'] !== 0 returns TRUE. We can patch this for now, but the cause has to be tackled down to it's source.

Can you please head to the method getNodeRecord in typo3/sysext/backend/Classes/Tree/Pagetree/Commands.php and debug the content of $record?

#6 - 2015-05-22 08:16 - Andreas Fernandez

- Status changed from New to Needs Feedback

#7 - 2015-05-22 09:43 - alexis nicolas

$record is empty in getNodeRecord. But tracking further to getRecordWSOL in BackendUtility.php I loose any error information (though the error message is still here).

#8 - 2015-05-22 18:46 - Markus Klein

The problem is an unsafe comparison

    if ($record['uid'] !== 0) {

I'm sure that $record comes from DB directly and therefore 'uid' is of type string and not int, so the comparison is wrong.

Can you try changing this to:

    if ((int)$record['uid'] !== 0) {

This line dates back to #24250

#9 - 2015-05-26 09:18 - alexis nicolas

When I cast $record['uid'] to int and I try to add a new page, I get an exception [1.4.14]: Attempt to move record '[root-level]' (pages:) without having permissions to do so.

#10 - 2015-05-26 09:49 - Markus Klein

So you have the proof that your $record is not there. The cast to int now gives 0 for the uid, which is the "[root-level]".
You have to trace back, where $record gets its data from. There is something wrong.

#11 - 2015-05-26 09:57 - Markus Klein

The int-cast thing will be solved with: #67138

#12 - 2015-05-26 10:30 - alexis nicolas

I deleted every page records, attempted tp add a new standard page below root: it creates a new root page with no id, [No Title] and a new page below... Strange, isn't it?
I'm trying to trace $record back.
EDIT: $record gets its data from BackendUtility::getRecordWSOL

#13 - 2015-05-26 11:41 - alexis nicolas

Basically there is a thing I hardly understand: in my database, I have only 1 page record (with id=60), when I echo $record['uid'] i get both root id (0) and my page id (60): so if ((int)$record['uid'] !== 0) comparison results both TRUE and FALSE, is it a normal behaviour?

#14 - 2015-05-26 11:45 - Markus Klein

> *when I echo $record['uid'] i get both root id (0) and my page id (60)*

you mean $record['uid'] holds 2 values??

#15 - 2015-05-26 11:47 - alexis nicolas

Exactly, on echo $record['uid'] I get 060

#16 - 2015-05-26 11:56 - Markus Klein

That is for sure a major problem. I debugged it here locally and this is always a normal record for me.

Do you have workspaces installed? If so, please disable it and try if it works without it.

#17 - 2015-05-26 12:04 - alexis nicolas

?? Do you have workspaces installed? ??
I don't actually know... How can I check this?

#18 - 2015-05-26 12:10 - Markus Klein

Extension Manager. Extension is called "workspaces"

#19 - 2015-05-26 12:12 - alexis nicolas

Worspaces is already inactive.

#20 - 2015-05-26 13:18 - Markus Klein

Then the DB driver delivers very strange results. You've to check BackendUtility::getRecord then.

#21 - 2015-05-26 13:19 - Markus Klein

- Category changed from Pagetree to DBAL

- Assigned To set to alexis nicolas

- Complexity set to hard

#22 - 2015-05-26 14:40 - alexis nicolas

Everything looks fine in BackendUtility::getRecord(). But a strange things occures: $record is created in Commands.php:getNodeRecord() from an instance of BackendUtility::getRecordWSOL(); result viewed in getRecordWSOL() is an array containing data taken from my only page record (each field is a string), but in getNodeRecord() it is null and the user right exception is raised!

#23 - 2015-05-26 16:57 - alexis nicolas

Exception message "[1.4.14]: Attempt to move record '[root-level]' (pages:) without having permissions to do so." is originated in ExtdirectTreeCommands:insertNodeAfterDestination(). There, the try bloc seems not to be executed.

#24 - 2015-05-27 07:03 - Morton Jonuschat

I think this is due to a bug exec_INSERTquery() in the DBAL DataseConnection.php

If you look at line 524 you'll see that the last_insert_id isn't updated after the statement, as a result a subsequent call to sql_insert_id() will return a possibly wrong value (of a previous statement or the default value 0). Returning the default value seems to be what is happening here.

#25 - 2015-05-27 10:46 - alexis nicolas

Thanks for pointing things out Markus and Morton, I think i solved the problem (at least it works on my local).
EDIT: since I can't commit a patch for review (for now), here is the raw change I made in [[
https://github.com/TYPO3/TYPO3.CMS/blob/master/typo3/sysext/dbal/Classes/Database/DatabaseConnection.php#L524]]:

```
524          $sqlResult = $this->handlerInstance[$this->lastHandlerKey]->_query($this->lastQuery, FALSE);
525 (ADDED)  $new_id = $this->handlerInstance[$this->lastHandlerKey]->Insert_ID($table, $this->cache_autoIncFields[$table]);
526 (ADDED)  $this->handlerInstance[$this->lastHandlerKey]->last_insert_id = $new_id;
```