

TYPO3 Core - Feature #14582

RFE: get t3lib_DB->debug_lastBuiltQuery without t3lib_DB->debugOutput

2005-03-01 16:18 - Martin Kutschker

Status:	Closed	Start date:	2005-03-01
Priority:	Should have	Due date:	
Assignee:	Karsten Dambekalns	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Complexity:	
PHP Version:		Sprint Focus:	
Tags:			

Description

It's annoying to get the last query only when debug output is enabled. The last query should always be stored so it can be retrieved and eg written to the devLog on error.

TYPO3 wastes some many CPU cycles and bytes in RAM, it hardly matters. And of course it's less if-clauses :-)

(issue imported from #M850)

History

#1 - 2005-04-25 18:16 - Rainer Kuhn

Referring to a recent discussion on the dev list ("[Typo3-dev] DBAL usage question") : I proposed removing the condition from the line

```
if ($this->debugOutput) $this->debug_lastBuiltQuery = $query;
```

in all query building functions (INSERTquery(), UPDATEquery(), DELETEquery andSELECTquery()) to make the last built query *always* available in \$this->debug_lastBuiltQuery. I did a quick try with my TYPO3 3.7.0 installation and it worked as expected, so I attached a unified diff here.

Greetings, Rainer

#2 - 2005-05-17 23:13 - Michael Stucki

I asked Kasper for the reason for not enabling this by default. Answer:

"I think it is because we want to save memory in the 99,9% of cases where TYPO3 is NOT run under dev-circumstances!

Further, as you can see \$this->debug_lastBuiltQuery is not meant to be accessed from outside but rather presented to people from the t3lib_db::debug() function. So developers should set the internal flag ->debug of the typo3_db class instead."

For your comfort I donate the fantastic stucki_debugdb extension to you! :-)

#3 - 2005-05-18 10:39 - Martin Kutschker

Ok, then why don't we get an debugQueries switch?

Works likes this: the value defaults to false, if debugOutput is set then it is automatically enabled, but it can of course be set manually.

Then the conditions for debugging should read like this:

```
if ($this->debugQueries) $this->debug_lastBuiltQuery = $query;
```

BTW: I don't take memory footprint argument. TYPO3 is a fine and working system that wastes megabytes by copying arrays multiple times by bulidung huge config arrays. I don't care about the few extra bytes as wasting resources is a trait in the complete code.

#4 - 2005-05-18 10:49 - Rainer Kuhn

I support masi's argumentation. Moreover the last query is not only needed under dev-circumstances but also in a production environment, e.g. for logging purposes.

#5 - 2005-05-18 10:53 - Michael Stucki

please change this:

```
if ($this->debugOutput) $this->debug_lastBuiltQuery = $query;
```

to something like this:

```
if ($this->debugOutput || $this->store_lastBuiltQuery) $this->debug_lastBuiltQuery = $query;
```

I think everybody could live with that...

#6 - 2005-05-18 15:31 - Rainer Kuhn

I asked Kasper for the suggestions posted here and he agreed with stucki's suggestion:

```
"if ($this->debugOutput || $this->store_lastBuiltQuery)
$this->debug_lastBuiltQuery = $query;
```

This is fine with me."

So I've attached the resulting unified diff [here](#), this one is based on TYPO3 3.8.0rc1: class.t3lib_db.php.patch2_for_380rc1.diff

#7 - 2005-05-20 10:15 - Michael Stucki

Fixed in 3.8.

Files

class.t3lib_db.php.diff	1010 Bytes	2005-04-25	Administrator Admin
T3X_stucki_debugdb-1_0_0-z-200504121334.t3x	1.77 KB	2005-05-17	Administrator Admin
class.t3lib_db.php.patch2_for_380rc1.diff	1.68 KB	2005-05-18	Administrator Admin