

Core - Task # 55850

Task # 51436 (Resolved): Standalone unit test runner

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|-----------------------|---------------------------------------|---------------------|-----------------------|
| Status: | Resolved | Priority: | Should have |
| Author: | Christian Kuhn | Category: | Unit/Functional Tests |
| Created: | 2014-02-10 | Assigned To: | |
| Updated: | 2014-02-10 | Due date: | |
| TYPO3 Version: | 6.2 | | |
| PHP Version: | 5.4 | | |
| Complexity: | easy | | |
| Sprint Focus: | | | |
| Subject: | Reduce memory footprint of unit tests | | |
| Description | | | |
| | | | |

Associated revisions

Revision 2d05837d - 2014-02-10 20:36 - Christian Kuhn

[TASK] Reduce memory footprint of unit tests

Running the whole unit test suite on cli can eat up a significant amount of memory. Most of that can not be mitigated due to phpunit itself, but we can at least hint the PHP garbage collection by unsetting test class properties in tearDown().

The patch introduces a generic tearDown() method that reflects the test class and unsets all temporary properties of the class. In effect, tests do not need to take care of unsetting properties.

The patch removes all tearDown() methods that only unset() stuff and keeps others that do additional things but adds a call to parent::tearDown(). Private properties are changed to protected, so parent::tearDown can reach them. The additional computing effort of the reflection is insignificant, the suite is nearly as fast as before.

Results:

php 5.3: 1056MB -> 851MB

php 5.4: 870MB -> 670MB

php 5.5.: 876MB -> 674MB

Resolves: #55850

Related: #51436

Releases: 6.2

Change-Id: Ie665c53a3ab35e4808677e483d2099e0511c393f

Reviewed-on: <https://review.typo3.org/27528>

Reviewed-by: Helmut Hummel

Reviewed-by: Anja Leichsenring

Tested-by: Anja Leichsenring

Reviewed-by: Christian Kuhn

Tested-by: Christian Kuhn

History

#1 - 2014-02-10 19:09 - 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/27528>

#2 - 2014-02-10 21:30 - Christian Kuhn

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:2d05837d4a9865aff3dc67fc5d78ec008eb8f063.