

TYPO3.Flow - Bug #51236

Task # 55953 (New): Repair and streamline ValueObject support

ValueObject Identity generation broken in some cases

2013-08-21 16:24 - Philipp Maier

Status:	Resolved	Start date:	2013-08-21
Priority:	Must have	Due date:	
Assignee:	Philipp Maier	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Complexity:	
PHP Version:			
Has patch:	No		

Description

Consider this example ValueObject with two attributes.

```
<?php
namespace Vendor\Package\Domain\Model;

use TYPO3\Flow\Annotations as Flow;

/**
 * @Flow\ValueObject
 */
class Test {

    /**
     * @var string
     */
    protected $prop1;

    /**
     * @var string
     */
    protected $prop2;

    /**
     * @param string $prop1
     * @param string $prop2
     */
    public function __construct($prop1, $prop2) {
        $this->prop1 = $prop1;
        $this->prop2 = $prop2;
    }

    // ...
}
```

```
$test1 = new Test('Name', '');
$test2 = new Test('', 'Name');
```

\$test1 and \$test2 will have the same Identity generated by the PersistenceMagicAspect::generateValueHash because the names of the attributes are not included in the hash.
Fixing this will probably break some stuff.

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Please also regard <https://review.typo3.org/#/c/11368/4> in that matter

Associated revisions

Revision 2d6a0dfd - 2015-02-15 18:26 - Philipp Maier

[!!!][BUGFIX] Generate Value Object hash from property values

This changes the Value Objects' hash generation algorithm to use the actual properties of the Value Object, not only the constructor arguments which lead to duplicate hashes in cases where arguments were empty.

Furthermore the initial approach disregarded everything that can be done within the constructor (such as trimming, calculations, etc.).

This patch delays the generation of the value hash to just after instantiation, where the Value Object is completely initialized. The final object properties names and values are then hashed.

Additionally, the handling of DateTime objects has been improved. The generated ValueHash now also includes information about the timezone.

This **might** be breaking in the unlikely case where the initial hash calculation leads to the same hash as the new calculation, for different VOs. Besides, it might lead to duplicate VOs in the database because the "same" VO can become a new hash due to the changed hashing algorithm.

Change-Id: Iaf4d2a28bcd8fc5bf2c749f8021171456616e45c

Fixes: #51236

Fixes: #37357

Releases: master

History

#1 - 2013-08-22 11:57 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#2 - 2013-08-22 12:00 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#3 - 2013-08-22 15:24 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#4 - 2013-08-22 15:28 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#5 - 2013-09-25 23:54 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#6 - 2013-10-14 23:09 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#7 - 2014-02-13 11:17 - Adrian Förder

- Parent task set to #55953

#8 - 2014-02-24 14:02 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server. It is available at <https://review.typo3.org/23241>

#9 - 2015-01-09 18:51 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#10 - 2015-01-09 18:54 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#11 - 2015-02-14 11:54 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#12 - 2015-02-15 11:57 - Gerrit Code Review

Patch set 11 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#13 - 2015-02-15 17:40 - Gerrit Code Review

Patch set 12 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#14 - 2015-02-15 18:26 - Gerrit Code Review

Patch set 13 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.
It is available at <http://review.typo3.org/23241>

#15 - 2015-02-16 00:30 - Philipp Maier

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [2d6a0dfdadd82877c210abead884cec55805ce16](#).