

TYPO3.Flow - Feature # 37286

Feature # 37276 (Closed): Customizable ValueObject hash

Status:	Closed	Priority:	Should have
Author:	Adrian Föder	Category:	Persistence
Created:	2012-05-18	Assigned To:	Adrian Föder
Updated:	2012-05-21	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	Include object properties in Value Object hash creation		
Description			
currently, the Value Object hash creation doesn't take arbitrary object properties into account (only DateTime properties at the moment). PHP provides a spl_object_hash() method, we should check if this is possible to add. I'll provide a Test.			
Related issues:			
related to TYPO3.Flow - Bug # 37352: generateValueHash() should use getIdenti...			Under Review 2012-05-21

History

#1 - 2012-05-18 17:53 - 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 <http://review.typo3.org/11285>

#2 - 2012-05-21 08:55 - Adrian Föder

OK, unfortunately two subsequent creations of the same objects produce a **different** spl_object_hash:

```
1  $testObject1 = new $className();
2  $testObject1->someInteger = 42;
3  $testObject1->someString = 'Life, the Universe and Everything';
4
5  $testObject2 = clone $testObject1;
6
7  $this->assertSame(spl_object_hash($testObject1), spl_object_hash($testObject2));
```

results in

Failed asserting that two strings are identical.

--- Expected

+++ Actual

@@ @@

-00000000785be9f20000000040f79b70

+00000000785be9fc0000000040f79b70

Looking closer, this is intended/documentated behavior (also I didn't get it from reading alone). So, it's not a "hash" like we know it from md5 or sha1, but furthermore a unique object ID.

Due to the fact we're talking about Value objects here, we **need** to determine whether an object's content will be the same.

Any further suggestions for this?

#3 - 2012-05-21 09:41 - Karsten Dambekalns

- The value object hash is built from the constructor arguments.
- Value objects are immutable.
- Thus the hash never needs to change.

The only thing missing is support for entities not using FLOW3_Persistence_Identifier as identifier.

#4 - 2012-05-21 12:00 - Karsten Dambekalns

- *Status changed from Under Review to Closed*

See #37352.