TYPO3.Flow - Bug # 11893

Status:	Resolved	**Priority:**	Should have
Author:	Jochen Rau	**Category:**	Persistence
Created:	2011-01-05	**Assigned To:**	Karsten Dambekalns
Updated:	2011-07-04	**Due date:**	
PHP Version:			
Has patch:			
Complexity:			
Affected Flow version:			
Subject:	The hash identifying a ValueObject isn't sufficient		
Description			

After executing the constructor of a Value Object a hash is generated and stored in FLOW3_Persistence_ValueObject_Hash to identify the Value Object (eg. to support getIdentifierByObject($object)). But the algorithm for generating the hash isn't sufficient for some cases.

Let's assume we have a Value Object \F3\MyExt\Domain\Model\Color with a property $colorNumber=42. This Value Object has the same hash as a Value Object \F3\MyExt\Domain\Model\Length with a property $value=42. The same problem occurs, if a Value Object stores other objects in an SplObjectStorage or uses PHP classes like DateTime.

IMHO the identity of a ValueObject is fully determined only by taking all property values (including SplObjectStorages) **and** the class into account. The test for FLOW3_Persistence_Entity_UUID could possibly be dropped as a Value Object by definition can't reference to Entities.

Associated revisions

Revision c3f667d0 - 2011-07-04 14:38 - Karsten Dambekalns

[BUGFIX] Make value object hash calculation more robust

Change-Id: I45a4602fc6075aa8a19d7eebafda21b054aafabf
Fixes: #11893

History

#1 - 2011-05-24 15:37 - Karsten Dambekalns

- Status changed from New to Accepted

- Assigned To set to Karsten Dambekalns

- Target version set to 1.0 beta 1

#2 - 2011-05-24 15:40 - Mr. Hudson

Patch set 1 of change I45a4602fc6075aa8a19d7eebafda21b054aafabf has been pushed to the review server.

It is available at http://review.typo3.org/2356

#3 - 2011-06-27 14:49 - Mr. Hudson

Patch set 2 of change I45a4602fc6075aa8a19d7eebafda21b054aafabf has been pushed to the review server.

It is available at http://review.typo3.org/2356

#4 - 2011-06-27 21:47 - Karsten Dambekalns

- Status changed from Accepted to Under Review

#5 - 2011-07-04 14:34 - Mr. Hudson

Patch set 3 of change I45a4602fc6075aa8a19d7eebafda21b054aafabf has been pushed to the review server.

It is available at http://review.typo3.org/2356

#6 - 2011-07-04 14:38 - Mr. Hudson

Patch set 4 of change I45a4602fc6075aa8a19d7eebafda21b054aafabf has been pushed to the review server.

It is available at http://review.typo3.org/2356

#7 - 2011-07-04 15:05 - Karsten Dambekalns

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:c3f667d06d0b7b32662ae22c0a0f80d282dae231.