

## TYPO3.Flow - Feature #37286

Feature # 37276 (Closed): Customizable ValueObject hash

### Include object properties in Value Object hash creation

2012-05-18 17:35 - Adrian Föder

<b>Status:</b> Closed	<b>Start date:</b> 2012-05-18
<b>Priority:</b> Should have	<b>Due date:</b>
<b>Assignee:</b> Adrian Föder	<b>% Done:</b> 0%
<b>Category:</b> Persistence	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 1.1 beta 2	<b>Complexity:</b>
<b>PHP Version:</b>	
<b>Has patch:</b> No	
<b>Description</b> 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.	
<b>Related issues:</b> Related to TYPO3.Flow - Bug #37352: generateValueHash() should use getIdentif... <b>Under Review 2012-05-21</b>	

### 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:

```
$testObject1 = new $className();
$testObject1->someInteger = 42;
$testObject1->someString = 'Life, the Universe and Everything';

$testObject2 = clone $testObject1;

$this->assertSame(spl_object_hash($testObject1), spl_object_hash($testObject2));
```

results in

```
Failed asserting that two strings are identical.
```

```
--- Expected
```

```
+++ Actual
```

```
@@ @@
```

```
-00000000785be9f20000000040f79b70
```

```
+00000000785be9fc0000000040f79b70
```

Looking closer, this is intended/documented 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](#).