

TYPO3.Flow - Feature #37276

Customizable ValueObject hash

2012-05-18 15:16 - Adrian Föder

Status: Closed	Start date: 2012-05-18
Priority: Should have	Due date:
Assignee:	% Done: 100%
Category: Persistence	Estimated time: 0.00 hour
Target version: 2.0 beta 1	Complexity:
PHP Version:	
Has patch: No	

Description

If I understand it correctly, the hash for a Value Object is calculated/done in Persistence\Aspect\PersistenceMagicAspect::generateValueHash(). It seems (I'm just "thinking loudly"), that that hash is built from

- * the object's Persistence Identifier, if one
- * the concatenated representation of each constructor method argument, processed as following:
 - * a serialize(), if an array
 - * its actual value, if not an object
 - * its Persistence Identifier, if one
 - * its timestamp, if DateTime

In my use case, a Doctrine Collection should also be part of the hash. I could imagine that this is not a seldom case in general, so I have two improvement suggestions:

- directly support the Doctrine collection case with a sub loop, for example, or the Collection->toArray() method
- or call a magic function, for example

```
/**
 * @FLOW3\ValueObject
 */
class FooBar {
    public function __construct() {
        // this is the constructor of this Value Object
        $this->that = 'some';
    }

    /**
     * Generates the value object hash. Arguments are as in constructor.
     * @param mixed $argument1
     * @param mixed $argument2
     * @return string The value object hash
     */
    public static function generateValueObjectHash() {
        foreach (func_get_args()) ... whatever...
    }
}
```

This public static method could be, if present, called by the Aspect; else the usual process is applied to retrieve the hash.

What do you think? Should a customizable VO hash be possible altogether?

Subtasks:

Feature # 37286: Include object properties in Value Object hash creation **Closed**

History

#1 - 2012-05-18 16:41 - Christian Müller

biggest problem I would see is **awareness** that you can break your own data if you change or add that method...

#2 - 2012-05-18 16:52 - Adrian Förder

hm yeah agree.

With the current implementation, objects, if having no persistence identifier and not \DateTime, are disregarded however. For these cases there should at least spl_object_hash() be used; compare to Doctrine's ArrayCollection:

```
public function __toString()
{
    return __CLASS__ . '@' . spl_object_hash($this);
}
```

#3 - 2012-05-18 17:35 - Adrian Förder

- Status changed from New to Closed