TYPO3.Flow - Bug # 42723

Status:	Resolved	Priority:	Should have
Author:	Steffen Ritter	Category:	Reflection
Created:	2012-11-06	Assigned To:	
Updated:	2012-01-00	Due date:	
PHP Version:	2010 00 27		
Has patch:	Yes		
Complexity:	103		
Affected Flow versi	on: Git master		
Subject:			
Description		isumes to much processing time	
properties within the getAvailableGetters	current object. for example is called thousands o		etrieve information about how to access archy of 150 fuel stations with each one
	np is running) - the properties of		tdClass). Therefore the ObjectAccess class
Related issues:			
related to TYPO3.Flow	- Bug # 46491: ObjectAccess::getPro	operty() does not wor	Resolved 2013-03-21
Using Reflection\Objec extensive way you sool of that class.	ache to Reflection\ObjectAccess tAccess during validation or f.e. Json n will end up with thousands of calls t che this can be sped up.		
Change-ld: l2abbbd592 Resolves: #42723 Releases: master	24cd0177ad8a31cb01c2953dd5ba39	fd	
Revision 392020a6 - 2	013-03-21 15:23 - Bastian Waidelic	ch	
[BUGFIX] fix ObjectAcc	ess::getProperty() for getters in Arra	yAccess objects	
	77ad8a31cb01c2953dd5ba39fd a re ccess::getProperty() to work on objec etters.	-	
Code to reproduce: \TYPO3\Flow\Reflection	n\ObjectAccess::getProperty(new \Ar	rrayObject(), 'iteratorClass')	

expected: "Arraylterator" actual: **Exception**

This change fixes this by checking arrays and ArrayAccess objects separately.

Change-ld: l31355c9b4ace868cff7d5ea1c4e1b3735b1225f6 Fixes: #46491 Related: #42723 Releases: master

Revision c0c6c2c2 - 2013-03-27 12:05 - Steffen Ritter

[TASK] Add Runtime Cache to Reflection\ObjectAccess

Using Reflection\ObjectAccess during validation or f.e. JsonView in an extensive way you soon will end up with thousands of calls to functions of that class.

By adding a runtime cache this can be sped up.

Change-Id: I2abbbd5924cd0177ad8a31cb01c2953dd5ba39fd Resolves: #42723 Releases: master

Revision cf1e9e3e - 2013-03-27 12:05 - Bastian Waidelich

[BUGFIX] fix ObjectAccess::getProperty() for getters in ArrayAccess objects

With I2abbbd5924cd0177ad8a31cb01c2953dd5ba39fd a regression was introduced that prevented ObjectAccess::getProperty() to work on objects implementing ArrayAccess and providing custom getters.

Code to reproduce: \TYPO3\Flow\Reflection\ObjectAccess::getProperty(new \ArrayObject(), 'iteratorClass')

expected: "ArrayIterator" actual: **Exception**

This change fixes this by checking arrays and ArrayAccess objects separately.

Change-ld: l31355c9b4ace868cff7d5ea1c4e1b3735b1225f6 Fixes: #46491 Related: #42723 Releases: master

History

#1 - 2012-11-06 13:07 - 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 <u>http://review.typo3.org/16234</u>

#2 - 2012-11-06 13:13 - Steffen Ritter

btw: this reduces the execution time within ObjectAccess from > 40% to below 10% in the given example

#3 - 2012-11-21 22:02 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#4 - 2012-11-21 22:04 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#5 - 2012-11-26 12:17 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#6 - 2012-11-26 12:54 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#7 - 2012-11-26 13:09 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#8 - 2012-11-27 00:31 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server. It is available at <u>http://review.typo3.org/16234</u>

#9 - 2012-12-13 12:35 - Karsten Dambekalns

- Affected Flow version changed from Git 1.2 (master) to Git master

#10 - 2013-03-21 12:23 - Bastian Waidelich

I didn't manage to test this while it was hot, but now I realized that this breaks the Form framework (and probably some more). In my case FormRuntime::getCurrentPage() always returns NULL – because FormRuntime implements \ArrayAccess but \$formRuntime['currentPage'] returns FALSE. To reproduce create a class extending \ArrayAccess and providing some additional custom getter. This getter can't be called via ObjectAccess

#11 - 2013-03-21 12:45 - Bastian Waidelich

A simple test case to reproduce this:

1\$arrayObject = new \ArrayObject(); 2var_dump(\$arrayObject->getIteratorClass());

 $\label{eq:star} 3 var_dump(\TYPO3\Flow\Reflection\Object\Access::get\Property(\array\Object, 'iterator\Class'));$

Should output "Arraylterator" twice, but the second time an exception #1263391473: The property "iteratorClass" on the subject was not accessible is thrown.

Commenting out 113 & 114 in ObjectAccess fixes this issue for me.

I'll write tests and push a follow up

#12 - 2013-03-27 12:08 - Gerrit Code Review

Patch set 1 for branch **composer** has been pushed to the review server. It is available at <u>https://review.typo3.org/19347</u>

#13 - 2013-03-27 13:37 - Steffen Ritter

- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset commit:c0c6c2c290c6406854fecdd9819ac5dae709988b.