TYPO3.Flow - Bug # 51972

Status:	New	Priority:	Should have		
Author:	Adrian Föder	Category:			
Author: Created:	2013-09-13	Assigned To:	Adrian Föder		
		Assigned To: Due date:			
Updated: PHP Version:	2013-09-13				
	Voc				
Has patch:	Yes				
Complexity: Affected Flow ve	reion: Cit 2.0				
Affected Flow ve		rty constraint make cartesian selection			
Description	Joins for every deep proper				
When it comes to	property lookups as in				
φ. · ·	al Anal (
\$query->logic		٠ •			
	\$query->contains('categories.posts', \$firstPost),				
	uals('categories.approved', TRUE)				
)					
there are I FFT. In	OINs for both constraints each, resu	ulting in something like			
		<u> </u>			
SELECT e FROM Acme\Post e					
LEFT JOIN e.	categories categories0				
	categories categories1				
	WHERE ?1 MEMBER OF categories0.posts				
AND categories1.approved = ?2					
This at the art !	ikely regulted into upproducts -				
	ikely resulted into unpredicted				
matches because it would match those Posts where					
	a category having approved = false is involved in				
	the post in question, as long as this category belongs to an (arbitrary) Post having any category approved = true.				
an (arbitrary) P	use maxing any category approved	- uue.			
Consider the follo	wing testing code:				
1 php</td <td></td> <td></td> <td></td>					
2public function complexQueryWithJoinsMakesCorrectConjunctions() {					
-	tyRepository = new PostRepository				
4	. ,				
5 \$notAppro	ovedCategory = new Category();				
	dCategory = new Category();				
	dCategory->setApproved(TRUE);				
8					
	:= new Post;				
	t->setTitle('First Post');				
	t->addCategory(\$notApprovedCate	∋gory);			
	tityRepository->add(\$firstPost);				
13					

14	<pre>\$secondPost = new Post;</pre>
15	<pre>\$secondPost->setTitle('Second Post');</pre>
16	<pre>\$secondPost->addCategory(\$notApprovedCategory);</pre>
17	<pre>\$secondPost->addCategory(\$approvedCategory);</pre>
18	<pre>\$postEntityRepository->add(\$secondPost);</pre>
19	
20	<pre>\$thirdPost = new Post;</pre>
21	<pre>\$thirdPost->setTitle('Third Post');</pre>
22	<pre>\$thirdPost->addCategory(\$approvedCategory);</pre>
23	<pre>\$postEntityRepository->add(\$thirdPost);</pre>
24	
25	<pre>\$this->persistenceManager->persistAll();</pre>
26	
27	<pre>\$query = new Query('TYPO3\Flow\Tests\Functional\Persistence\Fixtures\Post');</pre>
28	\$query->matching(
29	\$query->logicalAnd(
30	<pre>\$query->contains('categories.posts', \$firstPost),</pre>
31	<pre>\$query->logicalNot(\$query->equals('Persistence_Object_Identifier', \$this</pre>
->pe	ersistenceManager->getIdentifierByObject(\$firstPost))),
32	<pre>\$query->equals('categories.approved', TRUE)</pre>
33)
34);
35	<pre>\$this->assertEquals(0, \$query->count());</pre>
36}	
-	
ne inte	ention is to find all Posts which have the same
prov	ed category as the First Post. In the shown example,
	t Post shares an unanproved estedery with the

the *First Post* shares an **unapproved** category with the *Second Post*, and the *Second Post* shares an **approved** category with the *Third Post*. The query gives a single result which is the *Second Post*, but

this is not correct since the *Second Post* does only share an **unapproved** category with the *First Post* which was asked for. The *Second* only "coincidentally" also is involved in an **approved** category with the *Third Post*.

A fix is under review at https://review.typo3.org/#/c/23751/

History