

## TYPO3.Flow - Bug # 39300

Bug # 37574 (Resolved): ReflectionData is not regenerated automatically

<b>Status:</b>	Closed	<b>Priority:</b>	Won't have this time
<b>Author:</b>	Adrian Föder	<b>Category:</b>	Reflection
<b>Created:</b>	2012-07-26	<b>Assigned To:</b>	
<b>Updated:</b>	2012-08-17	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>	No		
<b>Complexity:</b>			
<b>Affected Flow version:</b> (any)			
<b>Subject:</b>	blocking ReflectionService: Call to a member function get() on a non-object		
<b>Description</b>			
Most is commented in <a href="https://review.typo3.org/#/c/12575/">https://review.typo3.org/#/c/12575/</a> , however a few steps to (hopefully) reproduce:			
<ul style="list-style-type: none"><li>- Use a full Phoenix, all on current master, especially with 12575 applied.</li><li>- <b>make sure</b> also the FLOW3 subroutes are included, not only the TYPO3 ones.</li><li>- run `phpunit --debug -c Build/Common/PhpUnit/FunctionalTests.xml Packages/Framework/TYPO3.FLOW3/Tests/Functional/Http/RequestHandlerTest.php`</li></ul>			
<ul style="list-style-type: none"><li>- this should result in the message `PHP Fatal error: Call to a member function get() on a non-object in /var/www/Packages/Framework/TYPO3.FLOW3/Classes/Reflection/ReflectionService.php on line 987`.</li><li>- maybe, try to call your frontend without any given route; in my case this results in the same error.</li></ul>			

### History

#### #1 - 2012-07-26 17:27 - Adrian Föder

OK, Core\Booting\Scripts.php::initializeReflectionService(), line 319:

```
$reflectionService->setClassSchemataRuntimeCache($cacheManager->getCache('FLOW3_Reflection_RuntimeClassSchemata'));
```

that cache is empty in my case; actually, both

```
/Data/Temporary/Testing/Cache/Data/FLOW3_Reflection_RuntimeClassSchemata/
```

```
/Data/Temporary/Testing/Cache/Data/FLOW3_Reflection_RuntimeData/
```

directories are empty...

Will examine further.

#### #2 - 2012-07-26 18:07 - Adrian Föder

an additional note; the call stack mentioned in the review; <https://raw.github.com/gist/3046718/>, looks like it has something to do with Widget stuff which explains why it is so hard to reproduce: it does only occur in the mentioned Functional test; or if your frontend uses Widgets. Both is the case in my case.

#### #3 - 2012-07-27 10:17 - Adrian Föder

new Stuff: again, the line in question is the following:

```
1 public function getClassSchema($classNameOrObject) {
2     if (!isset($this->classSchemata[$className])) {
3         // the following get() fails due to "on a non-object"
4         $this->classSchemata[$className] = $this->classSchemataRuntimeCache->get(str_replace('\', '_', $className));
5     }
```

interestingly, the `->classSchemata` array is fully empty in that case! Having examined the `initialize()` and every other method involved, everything looks good regarding the `classSchemata` being populated with the correct data.

But, when the error happens, the `$this->context` is `TYPO3\FLOW3\Reflection\ReflectionService`! also the `systemLogger`, for example, is empty; which leads me to the conclusion that the `initialize()` method is not invoked in the error case.

To verify this; I added a protected helper variable that I changed in the `initialize()` method; and it doesn't become changed -> the `initialize()` doesn't get executed.

It looks like there are **multiple instances of the ReflectionService** around, not being all the exact same ones.

#### #4 - 2012-07-27 15:00 - Bastian Waidelich

Hi Adrian,

I tried to reproduce this, but without success:

If I run the functional test without including the FLOW3 sub routes I get

There was 1 skipped test:

1) `TYPO3\FLOW3\Tests\Functional\Http\RequestHandlerTest::httpRequestIsConvertedToAnActionRequestAndDispatchedToTheRespectiveController`

In this distribution the FLOW3 routes are not included into the global configuration.

OK, but incomplete or skipped tests!

Tests: 1, Assertions: 0, Skipped: 1.

..as expected.

If I include the FLOW3 routes by adding

```
1##
2# FLOW3 subroutes
3
4-
5 name: 'FLOW3'
6 uriPattern: '<FLOW3Subroutes>'
7 defaults:
8 '@format': 'html'
9 subRoutes:
10 FLOW3Subroutes:
11 package: TYPO3.FLOW3
```

at the end or beginning of the global Configuration/Routes.yaml I get

Time: 15 seconds, Memory: 49.50Mb

OK (1 test, 1 assertion)

(PHP 5.4, Win7 64bit)

**#5 - 2012-07-27 15:35 - Adrian Förder**

- Status changed from New to Needs Feedback
- Assigned To set to Adrian Förder
- Priority changed from Must have to Should have

Hi Bastian,

thanks a lot for your testing; I'm also currently just up to find more information about how to reproduce this. The whole thing looks pretty weird... I'll update as soon as I find some more information.

**#6 - 2012-07-27 16:11 - Bastian Waidelich**

Adrian Förder wrote:

*I'm also currently just up to find more information about how to reproduce this. The whole thing looks pretty weird...  
I'll update as soon as I find some more information.*

Thank you! It would be really good if we could solve that before 1.1 final.. Maybe the problem is related to some multi threading issue.. What is your setup?

**#7 - 2012-07-27 17:03 - Adrian Förder**

well, we have a hosted Xen virtual machine; I don't know much further.... what exactly do you want to know? At my local windows the error so far is also **not** reproducable, just like yours. Now I'm up to check whether I can reproduce that in a real very fresh environment...

**#8 - 2012-07-30 09:34 - Adrian Förder**

- Assigned To changed from Adrian Förder to Bastian Waidelich

ok, with a step-by-step comparison I found out what was triggering the error: it was my ElasticSearch package, to be concrete it was solved when removing these following lines: <https://github.com/afoeder/TYPO3.ElasticSearch/blob/master/Classes/Package.php#L37>

When looking at it it's obvious that it's very likely because some handling with the object manager at an early step happens.

So what I finally would like to know is, would you say such occurrence would make the initial change breaking, or am I doing something wrong in my code anyways?

**#9 - 2012-08-17 11:19 - Karsten Dambekalns**

- *Target version changed from 1.1 to 1.1.1*

**#10 - 2012-08-17 11:35 - Adrian Föder**

- *Status changed from Needs Feedback to Closed*

- *Assigned To deleted (Bastian Waidelich)*

- *Priority changed from Should have to Won't have this time*

This seems having went away... will observe this of course, but for now disregard this.