

TYPO3.Flow - Bug #39300

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

blocking ReflectionService: Call to a member function get() on a non-object

2012-07-26 17:05 - Adrian Föder

Status:	Closed	Start date:	2012-07-26
Priority:	Won't have this time	Due date:	
Assignee:		% Done:	0%
Category:	Reflection	Estimated time:	0.00 hour
Target version:	1.1.1	Complexity:	
PHP Version:			
Has patch:	No		

Description

Most is commented in <https://review.typo3.org/#/c/12575/>, however a few steps to (hopefully) reproduce:

- Use a full Phoenix, all on current master, especially with 12575 applied.
- **make sure** also the FLOW3 subroutes are included, not only the TYPO3 ones.
- run ``phpunit --debug -c Build/Common/PhpUnit/FunctionalTests.xml Packages/Framework/TYPO3.FLOW3/Tests/Functional/Http/RequestHandlerTest.php``
- 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``.
- maybe, try to call your frontend without any given route; in my case this results in the same error.

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:

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

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

```
##
# FLOW3 subroutes
-
name: 'FLOW3'
uriPattern: '<FLOW3Subroutes>'
defaults:
  '@format': 'html'
subRoutes:
  FLOW3Subroutes:
    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 Föder

- Status changed from New to Needs Feedback

- Assignee set to Adrian Föder

- 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 Föder 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 Föder

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** reproducible, 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 Föder

- Assignee changed from Adrian Föder 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

- Assignee 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.