TYPO3.Flow - Bug #31179

injectSettings is called more than once for object instantiation

2011-10-21 21:52 - Fernando Arconada

Status:	Resolved		**Start date:**	2011-10-21
Priority:	Must have		**Due date:**	
Assignee:	Christian Müller		**% Done:**	100%
Category:	Configuration		**Estimated time:**	0.00 hour
Target version:	1.1 RC2			
PHP Version:			**Complexity:**	
Has patch:	No			

Description

When defining injectSettings in a class, one expects it to be called **once** per instantiation. In fact it is called as often as the class hierarchy is deep, i.e. when *StandardController extends AbstractController extends ActionController* the injectSettings method of *StandardController* will be called three times.

Associated revisions

Revision f9330b40 - 2012-07-16 11:52 - Christian Müller

[BUGFIX] Injections only on last level of class hierarchy

Property injections are no longer called for every level of your
class hierarchy, which means they are only executed once now.

Change-Id: I5f7dd422b3d7fb5004b3e4a887ec64da59c57c84
Fixes: #31179
Releases: 1.0, 1.1, 1.2

Revision 5a6703dc - 2012-07-16 11:55 - Christian Müller

[BUGFIX] Injections only on last level of class hierarchy

Property injections are no longer called for every level of your
class hierarchy, which means they are only executed once now.

Change-Id: I5f7dd422b3d7fb5004b3e4a887ec64da59c57c84
Fixes: #31179
Releases: 1.0, 1.1, 1.2

Revision 9ca9ac54 - 2012-07-18 12:09 - Christian Müller

[BUGFIX] Injections only on last level of class hierarchy

Property injections are no longer called for every level of your
class hierarchy, which means they are only executed once now.

Change-Id: I5f7dd422b3d7fb5004b3e4a887ec64da59c57c84
Fixes: #31179
Releases: 1.0, 1.1, 1.2

History

#1 - 2011-10-23 23:18 - Fernando Arconada

It is called as many times as classes in your class hierachy with different settings array

#2 - 2011-10-24 15:04 - Karsten Dambekalns

- Project changed from TYPO3 Flow Base Distribution to TYPO3.Flow

- Status changed from New to Accepted

- Assignee set to Karsten Dambekalns

PoC code at http://pastebin.com/0nDS7nsN

#3 - 2011-10-24 15:07 - Karsten Dambekalns

- Category set to Configuration

- Has patch set to No

#4 - 2011-10-24 15:29 - Karsten Dambekalns

- Status changed from Accepted to Needs Feedback

All correct... Since you call parent::injectSettings, three calls are made:

1. the call to the implementation in StandardController, it get's the settings for your package injected
2. the call to the implementation in your AbstractController, resulting from parent::injectSettings, again, your settings injected
3. the call to the implementation in FLOW3's AbstractController, resulting from parent::injectSettings, this time with the FLOW3 settings injected

Solution: in "your topmost class", never call parent::injectSettings...

#5 - 2011-10-24 17:56 - Fernando Arconada

note: the "echo" is called three times and should be called once.

#6 - 2011-10-24 21:37 - Karsten Dambekalns

Hi Fernando.

Fernando Arconada wrote:

> note: the "echo" is called three times and should be called once.

On my way home I already had that thought gnawing at me: "probably BS you wrote there...". Of course you are right. The three calls I laid out would be correct, but of course only in one the echo is contained. Anyway, the problem is caused by __construct being called multiple times in the inheritance chain, and each is calling injectProperties which then calls injectSettings...

#7 - 2011-10-24 21:38 - Karsten Dambekalns

- File injectSettings__call_1.jpg added

- File injectSettings__call_2.jpg added

- File injectSettings__call_3.png added

- Status changed from Needs Feedback to Accepted

#8 - 2011-10-24 22:00 - Karsten Dambekalns

- Subject changed from override injectSettings doesnt resolve your package settings to injectSettings is called more than once for object instantiation

The cause of this is the way calls to injectSettings are woven into injectProperties, which is called in every __construct method of the built proxies. Since each of them calls the implementation furthest down the inheritance chain, the calls add up, but with varying input, depending on the caller.

On the originally reported problem: Fernando, I changed the description from your original

> If you try to override injectSettings($settings) in your controller, for example to map settings to class properties... It doesnt resolve your package settings. $settings is loaded with FLOW3 settings

In the last call the settings of your package will arrive in injectSettings, so all should work as expected. If needed add some safeguards, e.g. to avoid access to some array indexes not defined in early calls. Of course the behavior needs to be fixed, but if your expected settings do not appear **at all**, take a look at the Settings.yaml to make sure everything is correct there.

#9 - 2012-05-21 18:02 - Christian Müller

- Assignee changed from Karsten Dambekalns to Christian Müller

I just ran into this too and will see if this is to be solved somehow. Would be great for https://review.typo3.org/#/c/11283

#10 - 2012-05-22 11:20 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#11 - 2012-05-22 11:29 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#12 - 2012-06-17 15:27 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#13 - 2012-06-18 11:48 - Karsten Dambekalns

- Target version set to 1.1

#14 - 2012-07-04 12:08 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#15 - 2012-07-05 18:11 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#16 - 2012-07-12 12:04 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#17 - 2012-07-16 11:53 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server.
It is available at http://review.typo3.org/11432

#18 - 2012-07-16 11:54 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.1** has been pushed to the review server.
It is available at http://review.typo3.org/12814

#19 - 2012-07-16 11:55 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.0** has been pushed to the review server.
It is available at http://review.typo3.org/12815

#20 - 2012-07-16 12:35 - Christian Müller

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset f9330b400d4fe8cac7e486becef043a9f82e1dca.

#21 - 2012-07-18 12:09 - Karsten Dambekalns

- Target version changed from 1.1 to 1.1 RC2

#22 - 2012-07-18 12:24 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 2 for branch **FLOW3-1.1** has been pushed to the review server.
It is available at http://review.typo3.org/12814

#23 - 2012-07-18 12:25 - Karsten Dambekalns

- Status changed from Under Review to Resolved

Files

injectSettings__call_1.jpg		459 KB	2011-10-24	Karsten Dambekalns
injectSettings__call_2.jpg		450 KB	2011-10-24	Karsten Dambekalns
injectSettings__call_3.png		422 KB	2011-10-24	Karsten Dambekalns