

## TYPO3.Flow - Bug # 31179

<b>Status:</b>	Resolved	<b>Priority:</b>	Must have
<b>Author:</b>	Fernando Arconada	<b>Category:</b>	Configuration
<b>Created:</b>	2011-10-21	<b>Assigned To:</b>	Christian Müller
<b>Updated:</b>	2012-07-18	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>	No		
<b>Complexity:</b>			
<b>Affected Flow version:</b> FLOW3 1.0.0			
<b>Subject:</b>	injectSettings is called more than once for object instantiation		
<b>Description</b>			
<p>When defining injectSettings in a class, one expects it to be called <b>once</b> per instantiation. In fact it is called as often as the class hierarchy is deep, i.e. when <i>StandardController extends AbstractController extends ActionController</i> the injectSettings method of <i>StandardController</i> will be called three times.</p>			

### 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

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

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## History

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### #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*
- Assigned To 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

- Assigned To 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 commit: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**

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injectSettings__call_1.jpg	459.4 kB	2011-10-24	Karsten Dambekalns
injectSettings__call_2.jpg	450 kB	2011-10-24	Karsten Dambekalns
injectSettings__call_3.png	421.7 kB	2011-10-24	Karsten Dambekalns