

TYPO3.Flow - Bug #32829

Mapping to a subclass by __type property fails if subclass adds fields

2011-12-24 13:22 - Andreas Wolf

Status:	Resolved	Start date:	2011-12-24
Priority:	Should have	Due date:	
Assignee:	Andreas Wolf	% Done:	100%
Category:	Property	Estimated time:	0.00 hour
Target version:	1.1.1	Complexity:	
PHP Version:	5.3		
Has patch:	Yes		

Description

I have a hierarchy of classes for which an object should be created from a form. For that, I use the feature added with [#30300](#). This all works well until I have a new field in my subclass that is not present in the base class. Then I get the following message on submitting my form:

```
#1297759968: Exception while property mapping at property path "": Property "text" was not found in target object of type "MyCompany\MyPackage\Domain\Model\BaseClass".
```

This is caused by the subtype resolving done after the subproperties to map are found. The whole magic is done in `PropertyMapper::doMapping()`: First the type converter is created, then all subproperties (of the base class, as annotated in my controller action) are fetched in `getSourceChildPropertiesToBeConverted()`. After this, the object should be created, but the mapping fails first because the property does not exist.

The solution is to do the final type resolution directly after creating the type converter, before the call to `getSourceChildPropertiesToBeConverted()`.

Related issues:

Related to TYPO3.Flow - Feature #30300: Support mapping to subclass by argument

Resolved

2011-09-26

Associated revisions

Revision 81997950 - 2013-02-14 12:59 - Andreas Wolf

[BUGFIX] Mapping to subtype with [`__type`] fails

The type of a target object can be manipulated by setting `__type` in the form (or during action initialization when saving the form). This however fails if the target subclass contains fields that the original class does not have, because the property mapping is done before the final class is extracted from the `__type` request variable.

To get this working, the process of getting the final class name is moved before the property mapping.

If you wrote your own type converters, you might need to implement the new `getTargetTypeForSource()` method if you do not extend the provided `AbstractTypeConverter` of Flow.

Change-Id: [Ia42e374202845dfe5e95c72512e9fefb4f00e789](#)

Fixes: [#32829](#)

Releases: master, 2.0, 1.1

Revision 45ea2277 - 2013-02-15 12:55 - Christian Müller

[BUGFIX] Flow should work with PHP versions lower than 5.3.9

The change [Ia42e374202845dfe5e95c72512e9fefb4f00e789](#) introduced usage of `is_a()` with 3 arguments which is only implemented from PHP 5.3.9. This change replaces the call with a manual check for inheritance.

Change-Id: [I05c42b785e3f49e974cd5b381940e96130e5b0dc](#)

Related: [#32829](#)

Releases: master

Revision e23dc49c - 2013-03-20 16:33 - Andreas Wolf

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Revision f64f3cc9 - 2013-04-05 18:40 - Christian Müller

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Related: #32829

Releases: master, 2.0, 1.1

Revision eee02f3b - 2013-04-05 19:36 - Andreas Wolf

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Revision 006c7eb9 - 2013-04-05 19:37 - Christian Müller

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Related: #32829

Releases: master, 2.0, 1.1

History

#1 - 2011-12-24 13:25 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/7507>

#2 - 2011-12-24 14:01 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#3 - 2011-12-24 21:53 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#4 - 2012-01-11 10:36 - Karsten Dambekalns

- *Category set to Property*
- *Assignee set to Andreas Wolf*
- *Target version set to 1.1*

#5 - 2012-01-11 12:13 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#6 - 2012-03-20 18:02 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#7 - 2012-05-21 23:23 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#8 - 2012-05-22 11:55 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#9 - 2012-05-25 09:39 - Karsten Dambekalns

- *Target version changed from 1.1 to 1.1 RC1*

#10 - 2012-06-19 11:15 - Karsten Dambekalns

- *Target version changed from 1.1 RC1 to 1.1*

#12 - 2012-06-25 17:59 - Gerrit Code Review

Patch set 8 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#13 - 2012-06-25 18:45 - Gerrit Code Review

Patch set 9 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#14 - 2012-08-14 10:12 - Gerrit Code Review

Patch set 10 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#15 - 2012-08-17 11:19 - Karsten Dambekalns

- *Target version changed from 1.1 to 1.1.1*

#16 - 2012-08-22 17:58 - Gerrit Code Review

Patch set 11 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#17 - 2012-08-22 17:59 - Gerrit Code Review

Patch set 12 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#18 - 2012-08-23 11:54 - Gerrit Code Review

Patch set 13 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#19 - 2012-08-23 12:15 - Gerrit Code Review

Patch set 14 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#20 - 2012-09-13 11:01 - Gerrit Code Review

Patch set 15 for branch **master** has been pushed to the review server.
It is available at <http://review.typo3.org/7507>

#21 - 2012-12-14 15:09 - Karsten Dambekalns

- Target version changed from 1.1.1 to 2052

#22 - 2013-01-15 15:57 - Marco Falkenberg

Are there any news or efforts about solving this bug?

#23 - 2013-02-14 13:01 - Gerrit Code Review

Patch set 16 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/7507>

#24 - 2013-02-14 18:37 - Andreas Wolf

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [81997950b7819d9bc7938ee79dcc9aaedab6dcdc](https://review.typo3.org/7507).

#25 - 2013-03-20 16:35 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **2.0** has been pushed to the review server.

It is available at <https://review.typo3.org/19095>

#26 - 2013-03-20 16:49 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <https://review.typo3.org/19096>

#27 - 2013-04-05 19:24 - Gerrit Code Review

Patch set 2 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <https://review.typo3.org/19096>

#28 - 2013-04-05 19:35 - Gerrit Code Review

Patch set 3 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <https://review.typo3.org/19096>

#29 - 2013-04-05 19:37 - Gerrit Code Review

Patch set 4 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <https://review.typo3.org/19096>

#30 - 2013-04-05 20:37 - Andreas Wolf

- Status changed from Under Review to Resolved

Applied in changeset [eee02f3ba30976da289da0d19fc6a905d703e059](https://review.typo3.org/19096).

#31 - 2013-04-10 15:26 - Andreas Wolf

This still seems to be an issue when changing already persisted objects when the type is not submitted with the form (which may not be desired for several reasons). The reason is that the ObjectConverter does not check if the object has already been persisted (= if \$source[___identity] is present) when checking for the target type (in getTargetTypeForSource)

#32 - 2013-08-14 15:39 - Karsten Dambekalns

- *Target version changed from 2052 to 1.1.1*