

## TYPO3.Flow - Bug #36734

### Transient properties cannot be property mapped

2012-04-30 22:07 - Alexander Berl

<b>Status:</b>	Resolved	<b>Start date:</b>	2012-04-30
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Karsten Dambekalns	<b>% Done:</b>	100%
<b>Category:</b>	Property	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>PHP Version:</b>	5.3		
<b>Has patch:</b>	No		

#### Description

When creating an object containing transient properties through a webform an exception is thrown that the property is not found within the object.

#### Example

##### Model

```
/**
 * A Baz
 *
 * @FLOW3\Entity
 */
class Baz {

    /**
     * The password
     * @var string
     * @FLOW3\Transient
     */
    protected $password;

    ...
}
```

##### Form

```
<f:form action="create" name="baz" object="{baz}">
    Password: <f:form.textfield property="password" /><br />
    <f:form.submit value="submit" />
</f:form>
```

After submitting the form the following exception is thrown:

TYPO3\FLOW3\Property\Exception\InvalidTargetException thrown in file  
TYPO3\_FLOW3\_Property\_TypeConverter\_PersistentObjectConverter\_Original.php

```
Property "password" was not found in target object of type "Foo\Bar\Domain\Model\Baz".
20 TYPO3\FLOW3\Property\TypeConverter\PersistentObjectConverter_Original::getTypeOfChildProperty("
Foo\Bar\Domain\Model\Baz", "password", TYPO3\FLOW3\Mvc\Controller\MvcPropertyMappingConfiguration)

19 TYPO3\FLOW3\Property\PropertyMapper_Original::doMapping(array, "Foo\Bar\Domain\Model\Baz", TYPO
3\FLOW3\Mvc\Controller\MvcPropertyMappingConfiguration, array)

18 TYPO3\FLOW3\Property\PropertyMapper_Original::convert(array, "Foo\Bar\Domain\Model\Baz", TYPO3\
FLOW3\Mvc\Controller\MvcPropertyMappingConfiguration)

17 TYPO3\FLOW3\Mvc\Controller\Argument_Original::setValue(array)
```

```
16 TYPO3\FLOW3\Mvc\Controller\AbstractController::mapRequestArgumentsToControllerArguments()
15 TYPO3\FLOW3\Mvc\Controller\ActionController_Original::processRequest(TYPO3\FLOW3\Mvc\ActionRequest,
    TYPO3\FLOW3\Http\Response)
14 TYPO3\FLOW3\Mvc\Dispatcher_Original::dispatch(TYPO3\FLOW3\Mvc\ActionRequest, TYPO3\FLOW3\Http\Response)
13 TYPO3\FLOW3\Mvc\Dispatcher::dispatch(TYPO3\FLOW3\Mvc\ActionRequest, TYPO3\FLOW3\Http\Response)
12 call_user_func_array(array, array)
11 TYPO3\FLOW3\Mvc\Dispatcher::FLOW3_Aop_Proxy_invokeJoinPoint(TYPO3\FLOW3\Aop\JoinPoint)
10 TYPO3\FLOW3\Aop\Advice\AdviceChain::proceed(TYPO3\FLOW3\Aop\JoinPoint)
9  TYPO3\FLOW3\Security\Aspect\RequestDispatchingAspect_Original::setAccessDeniedResponseHeader(TYPO3\FLOW3\Aop\JoinPoint)
8  TYPO3\FLOW3\Aop\Advice\AroundAdvice::invoke(TYPO3\FLOW3\Aop\JoinPoint)
7  TYPO3\FLOW3\Aop\Advice\AdviceChain::proceed(TYPO3\FLOW3\Aop\JoinPoint)
6  TYPO3\FLOW3\Security\Aspect\RequestDispatchingAspect_Original::blockIllegalRequestsAndForwardToAuthenticationEntryPoints(TYPO3\FLOW3\Aop\JoinPoint)
5  TYPO3\FLOW3\Aop\Advice\AroundAdvice::invoke(TYPO3\FLOW3\Aop\JoinPoint)
4  TYPO3\FLOW3\Aop\Advice\AdviceChain::proceed(TYPO3\FLOW3\Aop\JoinPoint)
3  TYPO3\FLOW3\Mvc\Dispatcher::dispatch(TYPO3\FLOW3\Mvc\ActionRequest, TYPO3\FLOW3\Http\Response)
2  TYPO3\FLOW3\Http\RequestHandler::handleRequest()
1  TYPO3\FLOW3\Core\Bootstrap::run()
```

The problem here is, that the property is skipped in reflection due to the Transient annotation (see `ReflectionService->addPropertiesToClassSchema`) and therefore also cannot be property mapped.

see <http://lists.typo3.org/pipermail/flow3-general/2012-April/002285.html>

## Associated revisions

### Revision 296220dc - 2014-08-27 17:28 - Alexander Berl

[FEATURE] Transient properties can be property mapped

This change allows properties annotated as transient to be regarded normally for the classSchema during reflection. Those properties are marked in the classSchema as being transient and the persistence implementations can check for that attribute instead of existence in the classSchema only.

Therefore it is now possible to submit transient properties in web forms.

Change-Id: I8dcd250e5a19eec80a1e98c2acef4c134f3a5482

Resolves: #36734

Releases: master

## History

### #1 - 2012-06-28 10:33 - Karsten Dambekalns

- Status changed from New to Accepted

- Assignee set to Karsten Dambekalns

- Priority changed from -- undefined -- to Should have

## #2 - 2013-04-11 12:19 - Alexander Berl

Just some research on the matter:

@Transient is currently only really used in the ReflectionService/classSchema, i.e. all Transient properties are not regarded for the classSchema.

The classSchemas properties in turn are only relevant for:

- the generic persistence in the DataMapper (only schema properties are used for reconstitution)
- for finding property annotations in the doctrine persistence, to quickly skip properties not part of classSchema
- in the property mapping PersistentObjectConverter where only classSchema properties are data mapped
- in the validation UniqueEntityValidator when (custom) identity properties are not part of the classSchema

I think a good solution would be to add @Transient properties to the classSchema, but tag them as transient there, so the checks in generic persistence/doctrine(/validation?) can still skip those properties.

I'm gonna try and provide a changeset when I find time.

## #3 - 2013-04-12 18:58 - 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 <https://review.typo3.org/19862>

## #4 - 2013-04-16 12:44 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #5 - 2013-04-16 12:47 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #6 - 2013-07-15 16:36 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #7 - 2013-10-19 12:47 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #8 - 2014-06-11 14:51 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #9 - 2014-06-12 10:27 - Gerrit Code Review

Patch set 7 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <https://review.typo3.org/19862>

## #10 - 2014-08-25 20:09 - Gerrit Code Review

Patch set 8 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/19862>

## #11 - 2014-08-27 17:19 - Gerrit Code Review

Patch set 9 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/19862>

## #12 - 2014-08-27 17:28 - Gerrit Code Review

Patch set 10 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <http://review.typo3.org/19862>

## #13 - 2014-08-27 18:00 - Alexander Berl

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [296220dc76b35e06b1ab8e33fa39897bf4637c7f](https://review.typo3.org/19862).