TYPO3.Flow - Bug # 36734

Status:	Resolved	Priority:	Should have
Author:	Alexander Berl	Category:	Property
Created:	2012-04-30	Assigned To:	Karsten Dambekalns
Updated:	2014-08-27	Due date:	

PHP Version:	5.3
Has patch:	No
Complexity:	
Affected Flow version:	FLOW3 1.0.0

Subject:	Transient properties cannot be property mapped

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", "pas
   l\Baz", "password", TYPO3\FLOW3\Mvc\Controller\MvcPropertyMappingConfiguration)

   19 TYPO3\FLOW3\Property\PropertyMapper_Original::doMapping(array, "Foo\Bar\Domain\Model\Baz",
   TYPO3\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)⬚ \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(TYPO oints(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

- Assigned To set to Karsten Dambekalns

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

- Affected Flow version changed from Git master to FLOW3 1.0.0

#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 commit:296220dc76b35e06b1ab8e33fa39897bf4637c7f.