TYPO3.Flow - Bug #48093

AbstractCompositeValidators memory consumption continuously grow

2013-05-09 17:52 - Tarcisio Fedrizzi

Status:	New		**Start date:**	2013-05-09
Priority:	Must have		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Validation		**Estimated time:**	0.00 hour
Target version:	2.0.1			
PHP Version:			**Complexity:**	easy
Has patch:	Yes			

Description

Hi,
there is a problem in the way AbstractCompositeValidators passes the validatedInstacesContainer to its children.

The code of the addValidator method says:

```
  98          public function addValidator(\TYPO3\Flow\Validation\Validator\ValidatorInterface $validator) {
  99                  if ($validator instanceof ObjectValidatorInterface) {
 100                          $validator->setValidatedInstancesContainer = $this->validatedInstancesContainer;
 101                  }
 102                  $this->validators->attach($validator);
 103          }
```

this is wrong because it overwrites the setValidatedInstancesContainer method of the attached validators. Moreover the code doesn't pass the validatedInstancesContainer down to the validators it contains. This causes the contained validators to create their personal instance of validatedInstancesContainer that keeps growing. This renders impossible to work on big collections of objects due to excessive memory consumption.

In the attached patch I moved the correct version of this code to the validate methods of ConjunctionValidator and DisjunctionValidator. I think that it would be safe to pass the validatedInstancesContainer in the setValidatedInstancesContainer of AbstractCompositeValidators. However given that the resolution of validator could be made more dynamic I preferred calling the setValidatedInstancesContainer just before the validation of CompositeValidators children in the validate method.

Regards,
Tarcisio Fedrizzi.

Related issues:

Has duplicate TYPO3 Flow Base Distribution - Bug #48083: AbstractCompositeVal...	**Closed**	**2013-05-09**

History

#1 - 2013-05-10 13:49 - Tarcisio Fedrizzi

- File compositeValidatorSetValidatedInstancesContainerFix_v2.patch added

Hi,
there is an error with the patch when $this->validatedInstancesContainer is not set. I've attached a new version of the patch where I check for the variable to be set before assigning it to the children.

Regards,
Tarcisio Fedrizzi.

#2 - 2013-05-13 12:23 - Tarcisio Fedrizzi

- File compositeValidatorSetValidatedInstancesContainerFix_v3.patch added

Hi,
sorry I've seen that I have reattached the same patch as in the first post.

Here it is the correct one.

Sorry,
Regards,
Tarcisio Fedrizzi.

#3 - 2013-05-21 11:49 - Robert Lemke

- Target version set to 2.0.1

Files

compositeValidatorSetValidatedInstancesContainerFix.patch	2.6 KB	2013-05-09	Tarcisio Fedrizzi
compositeValidatorSetValidatedInstancesContainerFix_v2.patch	2.6 KB	2013-05-10	Tarcisio Fedrizzi
compositeValidatorSetValidatedInstancesContainerFix_v3.patch	2.68 KB	2013-05-13	Tarcisio Fedrizzi