

TYPO3.Flow - Bug # 34154

Status:	Resolved	Priority:	Must have
Author:	Kira Backes	Category:	Validation
Created:	2012-02-21	Assigned To:	Rens Admiraal
Updated:	2012-05-08	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Affected Flow version: Git master			
Subject:	ObjectValidator has exponential growth factor		
Description			
<p>In the onFlush method of the PersistenceManager all objects are validates, this is a problem especially for many connected entities. Look at the times needed:</p> <p>Validate Insertion Count: 174 onFlush Validation Duration: 9s</p> <p>Validate Insertion Count: 234 onFlush Validation Duration: 43s</p> <p>Validate Insertion Count: 246 onFlush Validation Duration: 129s</p> <p>At about 300 entities this is already taking hours to validate, so the system is completely unusable.</p>			
Related issues:			
related to TYPO3.Flow - Bug # 37363: PersistenceManager->validateObject() ==>...		Resolved	2012-05-21
duplicated by TYPO3.Flow - Bug # 34408: CollectionValidator goes in endless r...		Closed	2012-02-29

Associated revisions

Revision 91a9590f - 2012-02-29 21:28 - Rens Admiraal

[TASK] Remove collection validation from Lazy collections

The change to validate collections introduced unwanted behavior by validating lazy annotated and not yet initialized collections. This basically disables lazy loading and introduces a major memory problem.

Change-Id: Ib317803eba7d6ed04b067238e12b45698b6b0485

Related: #34154

Releases: 1.1

Revision 26e4b3fa - 2012-05-30 14:41 - Karsten Dambekalns

[BUGFIX] Avoid validating instances more often than needed

The GenericObjectValidator uses a static variable to store objects being

validated. Objects were still validated over and over because at the end of isValid() they were detached again.

This change replaces that detach() call with another concept. Now any validator implementing the new ObjectValidatorInterface can be given an SplObjectStorage to keep track of instances already validated.

If you reset that container when it makes sense (before you actively validate objects) you can avoid validating single instances more than once in one validation run but still validate at various points on your logic flow.

If you have implemented your own object validator you should implement the new ObjectValidatorInterface - the easiest way is to extend the GenericObjectValidator, if you haven't done that so far.

Change-Id: I7f437207e27593425b1fbdfc340a442e685a317f

Fixes: #37363

Related: #34154

Releases: 1.1, 1.2

Revision 632685da - 2012-05-30 15:06 - Karsten Dambekalns

[BUGFIX] Avoid validating instances more often than needed

The GenericObjectValidator uses a static variable to store objects being validated. Objects were still validated over and over because at the end of isValid() they were detached again.

This change replaces that detach() call with another concept. Now any validator implementing the new ObjectValidatorInterface can be given an SplObjectStorage to keep track of instances already validated.

If you reset that container when it makes sense (before you actively validate objects) you can avoid validating single instances more than once in one validation run but still validate at various points on your logic flow.

If you have implemented your own object validator you should implement the new ObjectValidatorInterface - the easiest way is to extend the GenericObjectValidator, if you haven't done that so far.

Change-Id: I7f437207e27593425b1fbdfc340a442e685a317f

Fixes: #37363

Related: #34154

Releases: 1.1, 1.2

History

#1 - 2012-02-22 11:40 - Kira Backes

This also happens when loading a single entity with lots of connected entities (even when those entities are connected over 5 proxies, it seems like everything is unfolded)

#2 - 2012-02-24 15:23 - 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/9180>

#3 - 2012-02-24 21:52 - Gerrit Code Review

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

It is available at <http://review.typo3.org/9180>

#4 - 2012-02-29 11:23 - Karsten Dambekalns

- *Category set to Validation*
- *Assigned To set to Rens Admiraal*
- *Target version set to 1.1*

#5 - 2012-05-08 16:16 - Karsten Dambekalns

- *Status changed from Under Review to Resolved*
- *% Done changed from 0 to 100*