

TYPO3 Core - Bug #66473

Cannot create object implementing Serializable on PHP 5.6

2015-04-17 18:05 - Mathias Brodala

Status:	Closed	Start date:	2015-04-17
Priority:	Must have	Due date:	
Assignee:	Mathias Brodala	% Done:	100%
Category:	Extbase	Estimated time:	0.00 hour
Target version:	6.2.16	Complexity:	
TYPO3 Version:	7	Is Regression:	No
PHP Version:	5.6	Sprint Focus:	Stabilization Sprint
Tags:			

Description

Starting with PHP 5.6 classes implementing the Serializable interface are represented as C instead of O in the serialized output.

The Container::getEmptyObject method which creates objects with the unserialize hack to avoid calling the constructor thus yields an error like this:

```
Warning: Erroneous data format for unserializing 'Foo' in ...
Notice: unserialize(): Error at offset 13 of 15 bytes in ...
```

Starting with PHP 5.4 this usecase can be dealt with by [ReflectionClass::newInstanceWithoutConstructor](#)

This also needs to be fixed for TYPO3 6.2 though which supports PHP 5.3, in which case checking for the Serializable interface and using C instead of O could work.

Related issues:

Related to TYPO3 Core - Bug #66468: TYPO3 6.2 will live longer than PHP 5.5 b...	Rejected	2015-04-17
Related to TYPO3 Core - Task #66911: Travis: Verify no git submodule exists	Closed	2015-05-12
Related to TYPO3 Core - Bug #67272: initializeObject() not called for Extbase...	Closed	2015-06-03
Related to TYPO3 Core - Bug #67402: Document "__wakeup" no longer called in A...	Closed	2015-06-10
Related to TYPO3 Core - Bug #67408: Nail down php 5.6 instantiation issues in...	Closed	2015-06-11
Related to TYPO3 Core - Bug #66482: Extbase persistence layer fails to create...	Closed	2015-04-19
Related to TYPO3 Core - Task #72112: travis-ci: PHP 5.6 not allowed_failure ...	Closed	2015-12-08

Associated revisions

Revision 89cbe117 - 2015-05-08 23:18 - Mathias Brodala

[BUGFIX] Fix serializable object creation with PHP 5.6

This makes use of doctrine/instantiator to catch this and many other PHP issues when instantiating objects without constructor.

Resolves: #66473
Releases: master, 6.2
Change-Id: lab0de638b8b555a811dad22a140d0348c168eb5
Reviewed-on: <http://review.typo3.org/38765>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>
Reviewed-by: Helmut Hummel <helmut.hummel@typo3.org>
Reviewed-by: Frank Nägler <typo3@naegler.net>
Tested-by: Frank Nägler <typo3@naegler.net>

Revision 169a6b2f - 2015-05-09 14:16 - Mathias Brodala

[BUGFIX] Fix serializable object creation with PHP 5.6

This makes use of doctrine/instantiator to catch this and many other PHP issues when instantiating objects without constructor.

Resolves: #66473

Releases: master, 6.2
Change-Id: laba0de638b8b555a811dad22a140d0348c168eb5
Reviewed-on: <http://review.typo3.org/39377>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>

Revision 3e8f5c46 - 2015-05-11 16:46 - Helmut Hummel

[BUGFIX] Fix serializable object creation with PHP 5.6

This makes use of doctrine/instantiator to catch this and many other PHP issues when instantiating objects without constructor.

Resolves: #66473
Resolves: #66885
Releases: master, 6.2
Change-Id: lc60b4fda6f4d7aa3f61ce46263011a89f6301f3d
Reviewed-on: <http://review.typo3.org/39392>
Reviewed-by: Markus Klein <markus.klein@typo3.org>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>
Reviewed-by: Helmut Hummel <helmut.hummel@typo3.org>
Tested-by: Helmut Hummel <helmut.hummel@typo3.org>

Revision 59d75c05 - 2015-05-12 13:24 - Christian Kuhn

[TASK] Travis: Verify no git submodule exists

With backport of issue #66473 a git submodule definition was accidently committed. The patch adds an additional travis-ci check to make the suite fail in case this happens again.

Resolves: #66911
Releases: master, 6.2
Change-Id: l88d22ceea3c82a805db4e9e61cb1fdd8aec76383
Reviewed-on: <http://review.typo3.org/39480>
Reviewed-by: Wouter Wolters <typo3@wouterwolters.nl>
Tested-by: Wouter Wolters <typo3@wouterwolters.nl>
Reviewed-by: Helmut Hummel <helmut.hummel@typo3.org>
Tested-by: Helmut Hummel <helmut.hummel@typo3.org>

Revision 0d72276e - 2015-05-12 16:01 - Christian Kuhn

[TASK] Travis: Verify no git submodule exists

With backport of issue #66473 a git submodule definition was accidently committed. The patch adds an additional travis-ci check to make the suite fail in case this happens again.

Resolves: #66911
Releases: master, 6.2
Change-Id: l88d22ceea3c82a805db4e9e61cb1fdd8aec76383
Reviewed-on: <http://review.typo3.org/39497>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>

Revision ec4f49f6 - 2015-06-05 09:38 - Morton Jonuschat

[BUGFIX] Call initializeObject() after instantiating empty objects

If the object is initializable and has a callable initializeObject() method run that so that initialization work will be done.

This affects model instances retrieved from the persistence.

Resolves: #67272
Resolves: #67274
Related: #66473
Releases: master, 6.2
Change-Id: l7b0278855270e8fa6ef75a424d339d072af29c54
Reviewed-on: <http://review.typo3.org/39914>
Reviewed-by: Mathias Brodala <mbrodala@pagemachine.de>
Tested-by: Mathias Brodala <mbrodala@pagemachine.de>
Reviewed-by: Stefan Neufeind <typo3.neufeind@speedpartner.de>
Reviewed-by: Andreas Fernandez <typo3@scripting-base.de>

Reviewed-by: Frans Saris <franssaris@gmail.com>
Tested-by: Frans Saris <franssaris@gmail.com>
Reviewed-by: Andreas Wolf <andreas.wolf@typo3.org>
Tested-by: Andreas Wolf <andreas.wolf@typo3.org>

Revision af1b31ba - 2015-06-11 12:21 - Christian Kuhn

[TASK] Nail down php 5.6 instantiation issues in tests

We know PHP 5.6 has issues in 6.2 in extbase object creation. The patch adds the unit test from the "instantiator" patch of issue #66473. This test fails, so travis-ci is configured with PHP 5.6 as known failure at the moment.

With the instantiator patch applied, initializeObject() was no longer called in some PHP versions, another test is added to verify this regression can not show up again.

The test bed currently ensures:

- PHP 5.6 fails with current version
- PHP 5.4, 5.5 and 5.6 would fail if only "instantiator" patch from #66473 is applied
- PHP 5.3 fails with "initializeObject is called twice" if patch from #67274 is applied

Later is to get 5.6 green again with no further failure in other PHP versions with other patches in 6.2 without changing tests.

Resolves: #67408
Related: #66473
Related: #67274
Releases: 6.2
Change-Id: Id4e81877e696dd1abc5b39497a19fa20a702048c
Reviewed-on: <http://review.typo3.org/40163>
Reviewed-by: Helmut Hummel <helmut.hummel@typo3.org>
Tested-by: Helmut Hummel <helmut.hummel@typo3.org>

Revision 8d41fb26 - 2015-06-12 11:41 - Morton Jonuschat

[TASK] Document DI happening before initializeObject()

Changes in the execution of dependency injection and object initialization have been documented as an important change.

Resolves: #67401
Related: #67274
Related: #67272
Related: #66473
Releases: master
Change-Id: lab0cb89d7ed77ceaeafb1f87b19b750f73f45eda
Reviewed-on: <http://review.typo3.org/40195>
Reviewed-by: Mathias Brodala <mbrodala@pagemachine.de>
Tested-by: Mathias Brodala <mbrodala@pagemachine.de>
Reviewed-by: Christian Kuhn <loli@schwarzbu.ch>
Tested-by: Christian Kuhn <loli@schwarzbu.ch>
Reviewed-by: Andreas Fernandez <typo3@scripting-base.de>
Tested-by: Andreas Fernandez <typo3@scripting-base.de>

Revision 1487e775 - 2015-06-13 20:54 - Morton Jonuschat

[FOLLOWUP][TASK] Document DI happening before initializeObject()

Clarify that the changes to dependency injection only affect domain models retrieved from the database backend.

Resolves: #67401
Related: #67274
Related: #67272
Related: #66473
Releases: master
Change-Id: I04876b77c3ae5d061bae4b6b238d820a7f875740
Reviewed-on: <http://review.typo3.org/40213>
Reviewed-by: Nicole Cordes <typo3@cordes.co>
Tested-by: Nicole Cordes <typo3@cordes.co>

Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Revision cc462e9d - 2015-06-15 15:29 - Christian Kuhn

[TASK] Deprecate AbstractDomainObject::__wakeup and document changes

Resolves: #67402
Related: #66473
Releases: master
Change-Id: I4a493bd778b2fefdc39fbd7783f406d3fbbbabbb
Reviewed-on: <http://review.typo3.org/40245>
Reviewed-by: Frank Nägler <frank.naegler@typo3.org>
Tested-by: Frank Nägler <frank.naegler@typo3.org>
Reviewed-by: Helmut Hummel <helmut.hummel@typo3.org>
Tested-by: Helmut Hummel <helmut.hummel@typo3.org>

Revision 9faa965d - 2015-12-01 12:54 - Helmut Hummel

[BUGFIX] Fix serializable object creation with PHP 5.6

This makes use of doctrine/instantiator to catch this and many other PHP issues when instantiating objects without constructor.

Resolves: #66473
Resolves: #66885
Releases: 6.2
Change-Id: Ibeaf94ca8227befc4f5a863dd4b688c54b8fcd4c
Reviewed-on: <https://review.typo3.org/40522>
Reviewed-by: Stephan Großberndt <stephan@grossberndt.de>
Tested-by: Stephan Großberndt <stephan@grossberndt.de>
Reviewed-by: Alexander Opitz <opitz.alexander@googlemail.com>
Tested-by: Alexander Opitz <opitz.alexander@googlemail.com>
Reviewed-by: Oliver Hader <oliver.hader@typo3.org>
Tested-by: Oliver Hader <oliver.hader@typo3.org>

Revision f107bcde - 2015-12-08 17:48 - Christian Kuhn

[TASK] travis-ci: PHP 5.6 not allowed_failure anymore

Change-Id: Ide32a6a582ec7dd1671b97b9d11c9b88a56953fd
Resolves: #72112
Related: #66473
Releases: 6.2
Reviewed-on: <https://review.typo3.org/45186>
Reviewed-by: Wouter Wolters <typo3@wouterwolters.nl>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

History

#1 - 2015-04-17 18:06 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38765>

#2 - 2015-04-17 18:10 - Mathias Brodala

See also [this change in phpunit](#) for a few caveats.

#3 - 2015-04-17 18:17 - Mathias Brodala

Maybe we should use [doctrine/instantiator](#) since apparently there are even more issues with this.

#4 - 2015-04-17 18:47 - Helmut Hummel

Mathias Brodala wrote:

Maybe we should use "doctrine/instantiator"

Yes, please!

#5 - 2015-05-08 13:09 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38765>

#6 - 2015-05-08 14:31 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38765>

#7 - 2015-05-08 16:05 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38765>

#8 - 2015-05-08 17:33 - Gerrit Code Review

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/38765>

#9 - 2015-05-08 23:30 - Mathias Brodala

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

Applied in changeset [89cbe117f4dd60e7145620d4c88a407bbe98a960](https://review.typo3.org/38765).

#10 - 2015-05-08 23:32 - Christian Kuhn

- *Status changed from Resolved to Accepted*
- *Target version changed from next-patchlevel to 6.2.13*

master merged, now waiting for 6.2 backport.

#11 - 2015-05-09 11:26 - Gerrit Code Review

- *Status changed from Accepted to Under Review*

Patch set 1 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39377>

#12 - 2015-05-09 11:38 - Gerrit Code Review

Patch set 2 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39377>

#13 - 2015-05-09 11:55 - Gerrit Code Review

Patch set 3 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39377>

#14 - 2015-05-09 12:05 - Gerrit Code Review

Patch set 4 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39377>

#15 - 2015-05-09 14:30 - Mathias Brodala

- *Status changed from Under Review to Resolved*

Applied in changeset [169a6b2f0ea77e9d050dd8de4139ecdd72facc9d](https://review.typo3.org/39377).

#16 - 2015-05-09 23:54 - Michael Stucki

- *Status changed from Resolved to Accepted*
- *% Done changed from 100 to 50*

This change contains an error for TYPO3_6-2, see <https://review.typo3.org/#/c/39390/>

After discussion with Lolli, I have reverted the change until this is fixed properly...

#17 - 2015-05-10 13:42 - Gerrit Code Review

- *Status changed from Accepted to Under Review*

Patch set 1 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#18 - 2015-05-11 12:31 - Gerrit Code Review

Patch set 2 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#19 - 2015-05-11 13:45 - Gerrit Code Review

Patch set 3 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#20 - 2015-05-11 13:46 - Gerrit Code Review

Patch set 4 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#21 - 2015-05-11 13:53 - Gerrit Code Review

Patch set 5 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#22 - 2015-05-11 13:58 - Gerrit Code Review

Patch set 6 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#23 - 2015-05-11 14:24 - Gerrit Code Review

Patch set 7 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#24 - 2015-05-11 14:46 - Gerrit Code Review

Patch set 8 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <http://review.typo3.org/39392>

#25 - 2015-05-11 17:00 - Helmut Hummel

- *Status changed from Under Review to Resolved*

- *% Done changed from 50 to 100*

Applied in changeset [3e8f5c46e4c8968038acb22053ca421fec48f903](https://review.typo3.org/#/c/40133/).

#26 - 2015-06-10 12:10 - Alexander Opitz

- *Status changed from Resolved to In Progress*

- *Target version changed from 6.2.13 to 6.2.14*

Was reverted in <https://review.typo3.org/#/c/40133/> so reopen.

#27 - 2015-07-07 14:46 - Alexander Opitz

- *Target version changed from 6.2.14 to 6.2.15*

#28 - 2015-07-24 17:03 - Christian Kuhn

- *Sprint Focus set to Stabilization Sprint*

#29 - 2015-09-08 12:39 - Mathias Bruckmoser

6.2.15 Released today.

Is it fixed or not?

#30 - 2015-09-08 13:44 - Alexander Opitz

- *Target version changed from 6.2.15 to 6.2.16*

No it wasn't fixed.

#31 - 2015-11-15 17:30 - Gerrit Code Review

- *Status changed from In Progress to Under Review*

Patch set 8 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/40522>

#32 - 2015-11-26 13:02 - Gerrit Code Review

Patch set 9 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/40522>

#33 - 2015-11-30 20:26 - Gerrit Code Review

Patch set 10 for branch **TYPO3_6-2** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at <https://review.typo3.org/40522>

#34 - 2015-12-01 13:00 - Helmut Hummel

- *Status changed from Under Review to Resolved*

Applied in changeset [9faa965d27ab9f6823d2ec270f00b7ffd940c1bd](#).

#35 - 2017-10-23 21:48 - Riccardo De Contardi

- *Status changed from Resolved to Closed*