

TYPO3.Fluid - Bug # 35090

Status:	Resolved	Priority:	Should have
Author:	Adrian Förder	Category:	
Created:	2012-03-21	Assigned To:	Adrian Förder
Updated:	2013-07-30	Due date:	
Has patch:	Yes		
Affected Flow version:	Git master		
Subject:	base64-encode of URI-transferred serialized objects		
Description			
<p>At least Fluid-Widgets add a serialized object to links in order to transfer them across requests. Maybe it's considerable to base64-encode these serialized objects to avoid problems like the [[FLOW3:Installation_hints#Unexpected-behavior-with-serialized-objects-in-request-arguments suhosin's null-byte-omission]].</p> <p>Additional explanation: serialized objects contain NULL bytes if a property of the object is protected.</p>			

Associated revisions

Revision f53ee1c6 - 2013-07-15 13:22 - Adrian Förder

[BUGFIX] Base64-encode widget context

In order to avoid various null-byte-issues as they occur when serializing an object with protected members (see [1]); for example with Suhosin or some reverse proxy implementations; the context object is transferred in a Base64 encoded state now.

As there is no need to urlencode it anymore, this additionally saves some bytes.

[1] <http://php.net/serialize> section "Parameters", subsection Note

Fixes: #35090

Releases: master

Change-Id: ldc9d1bbd944324db0f24ff3ac7fed766d2c473b1

History

#1 - 2012-04-17 16:06 - Adrian Förder

- Assigned To set to Bastian Waidelich

#2 - 2012-09-06 09:50 - Bastian Waidelich

- Assigned To deleted (Bastian Waidelich)

Mh, base64 encoding sounds a bit "expensive" to me, but I can't really judge this atm.

I unassign myself for now so someone else can comment on this

#3 - 2013-07-12 16:29 - Adrian Förder

another reason would be that, apparently, the Pound (<http://linux.die.net/man/8/pound>) does also not support NULL bytes in URIs:
http://www.apsis.ch/pound/pound_list/archive/2012/2012-07/1341212883000/index_html?fullMode=1#1341341716000

#4 - 2013-07-12 16:42 - Adrian Föder

- *Category set to MVC*
- *Status changed from New to Accepted*
- *Assigned To set to Adrian Föder*

#5 - 2013-07-12 16:48 - Adrian Föder

- *Project changed from TYPO3.Flow to TYPO3.Fluid*
- *Category deleted (MVC)*

#6 - 2013-07-12 16:52 - Adrian Föder

- *Subject changed from Evaluate base64_encoding of URI-transferred serialized objects to base64-encode of URI-transferred serialized objects*

#7 - 2013-07-12 16:56 - Adrian Föder

as a side note, the URI length w/o base64 encoding, resulting in the need to urlencode it, is 546 bytes; where the base64 encoded variant is 516 characters long.

#8 - 2013-07-12 17:12 - 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/22264>

#9 - 2013-07-15 13:21 - Adrian Föder

- *Tracker changed from Task to Bug*
- *Has patch changed from No to Yes*
- *Affected Flow version set to Git master*

changed to Bug because the current behavior will definitely break for the mentioned circumstances (using Suhosin)

#10 - 2013-07-15 13:23 - Gerrit Code Review

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

It is available at <https://review.typo3.org/22264>

#11 - 2013-07-30 15:37 - Adrian Föder

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

Applied in changeset commit:f53ee1c679c828874d5ffec565b6eb202ade9040.