

## TYPO3 Core - Bug #91625

### UriBuilder: inconsistent behaviour between application contexts Development + Production

2020-06-09 19:15 - Michael Stopp

<b>Status:</b>	Closed	<b>Start date:</b>	2020-06-09
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Extbase	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	9	<b>Is Regression:</b>	
<b>PHP Version:</b>	7.2	<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
I have a class method that gets called by a hook of felogin.			
In this method I use the uriFor() method of UriBuilder to build a redirect URL. This works without a problem in my development environment, which runs in application context Development.			
After installing the extension in the live environment (running in application context Production), I ran into constant problems. Building the redirect URL works maybe once in ten attempts. For the rest of the time it fails with "Call to a member function typoLink_URL() on null", which seems to be caused by \$this->contentObject not being set in buildFrontendUri(). I haven't found out yet, why it works sometimes. I tried clearing caches and reloading and what not. I then switched the live environment to application context Development and everything works again without a problem.			
This raises several questions:			
1) What's going on? Why does it occasionally work? I know there can be issues when UriBuilder is called in special situations (eg. scheduler tasks, command controllers), but here we are in FE mode, so what's the problem? (According to the API docs this "Works in Frontend and Backend mode of TYPO3".)			
2) Why can code, which was written in application context Development, not safely be used in Production? That seems to defy the whole point of application contexts. Why should I even bother to develop in application context Development, if I can't be sure that it will later work in the live environment?			
<b>Related issues:</b>			
Related to TYPO3 Core - Bug #95118: Unable to use UriBuilder outside Extbase		<b>Closed</b>	<b>2021-09-06</b>
Related to TYPO3 Core - Bug #95265: Revert injection of ContentObjectRenderer...		<b>Rejected</b>	<b>2021-09-17</b>

#### Associated revisions

##### Revision b5eab03e - 2021-05-12 16:43 - Benni Mack

[BUGFIX] Ensure UriBuilder always contains a cObj

When UriBuilder is used outside of an initialized ExtbaseAction and not within StandaloneView, the cObj is not properly initialized inside Extbase's UriBuilder

Resolves: #91625

Releases: master, 10.4

Change-Id: I850257f0a5d47d3ec18e7eb791894c90258394f7

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+69132>

Tested-by: Oliver Bartsch <bo@cedev.de>

Tested-by: core-ci <typo3@b13.com>

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

Reviewed-by: Oliver Bartsch <bo@cedev.de>

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

##### Revision 14e0c88f - 2021-05-12 18:06 - Benni Mack

[BUGFIX] Ensure UriBuilder always contains a cObj

When UriBuilder is used outside of an initialized ExtbaseAction and not within StandaloneView, the cObj is not properly initialized

inside Extbase's UriBuilder

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Tested-by: core-ci <[typo3@b13.com](mailto:typo3@b13.com)>  
Tested-by: Christian Kuhn <[lolli@schwarzbu.ch](mailto:lolli@schwarzbu.ch)>  
Reviewed-by: Christian Kuhn <[lolli@schwarzbu.ch](mailto:lolli@schwarzbu.ch)>

### Revision c71d9a56 - 2021-09-17 15:29 - Benjamin Franzke

[BUGFIX] Avoid TSFE injection into standalone ContentObjectRenderer

TypoScriptFrontendController might not be available  
by the time ContentObjectRenderer instances are created

The constructor argument ContentObjectRenderer is  
intended to be used by TypoScriptFrontendController  
to inject itself, but not for injecting  
TypoScriptFrontendController when ContentObjectRenderer  
is created as a standalone instance.

This has already been adapted in the master branch  
by #95174 and is therefore backported as a separate  
10.4-only fix.

Resolves: #95118  
Related: #91625  
Related: #95175  
Releases: 10.4  
Change-Id: Ie7f60cb40e78ec706019781ccd514acc080eb94a  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+71120>  
Tested-by: Simon Gilli <[typo3@gilbertsoft.org](mailto:typo3@gilbertsoft.org)>  
Tested-by: core-ci <[typo3@b13.com](mailto:typo3@b13.com)>  
Tested-by: Torben Hansen <[derhansen@gmail.com](mailto:derhansen@gmail.com)>  
Tested-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>  
Reviewed-by: Simon Gilli <[typo3@gilbertsoft.org](mailto:typo3@gilbertsoft.org)>  
Reviewed-by: Torben Hansen <[derhansen@gmail.com](mailto:derhansen@gmail.com)>  
Reviewed-by: Benjamin Franzke <[bfr@qbus.de](mailto:bfr@qbus.de)>

## History

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### #1 - 2020-06-26 13:19 - Christian Eßl

Which TYPO3 9 version was used? Does updating to the latest version (9.5.19) fix the problem?  
I just happened to stumble upon the same problem in 8.7.32 and I'm curious if this problem is related to recent problems with the Extbase  
ReflectionService that were fixed in the last minor patches. AFAIK this problem should be relatively new.

As a "hotfix" you could also do the following to manually set up the ContentObject:

```
/** @var ConfigurationManager $configurationManager */
$configurationManager = $this->objectManager->get(ConfigurationManager::class);

/** @var ContentObjectRenderer $contentObjectRenderer */
$contentObjectRenderer = $this->objectManager->get(ContentObjectRenderer::class);
$configurationManager->setContentObject($contentObjectRenderer);

$uriBuilder = $this->objectManager->get(UriBuilder::class);
$uriBuilder->injectConfigurationManager($configurationManager);

// now use UriBuilder
```

### #2 - 2020-07-02 13:28 - Christopher Kaster

Christian Eßl wrote:

Which TYPO3 9 version was used? Does updating to the latest version (9.5.19) fix the problem?  
I just happened to stumble upon the same problem in 8.7.32 and I'm curious if this problem is related to recent problems with the Extbase  
ReflectionService that were fixed in the last minor patches. AFAIK this problem should be relatively new.

As a "hotfix" you could also do the following to manually set up the ContentObject:

[...]

I can confirm we have this issue with TYPO3 v9.5.19 as well, I'll try the workaround in a bit.

Edit: Workaround works :)

### #3 - 2020-07-02 15:01 - Michael Stopp

@Christian EBl: sorry, I somehow missed your comment...

Yes, this was done with the latest V9 version.

As for your workaround: can't test this easily right now, because I had rewritten the code without UriBuilder, using something like this:

```
$additionalParams = HttpUtility::buildQueryString($arguments, '&');
$conf = [
    'parameter' => $this->settings['targetPage'],
    'additionalParams' => $additionalParams
];
$uri = $GLOBALS['TSFE']->cObj->typoLink_URL($conf);
```

### #4 - 2021-05-12 14:21 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+69132>

### #5 - 2021-05-12 15:30 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+69132>

### #6 - 2021-05-12 15:35 - 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 <https://review.typo3.org/c/Packages/TYPO3.CMS/+69132>

### #7 - 2021-05-12 16:52 - Gerrit Code Review

Patch set 1 for branch **10.4** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+69133>

### #8 - 2021-05-12 17:09 - Gerrit Code Review

Patch set 2 for branch **10.4** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+69133>

### #9 - 2021-05-13 00:10 - Benni Mack

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [b5eab03e52b14344178a88981063597af30e46da](#).

### #10 - 2021-09-06 12:51 - Torben Hansen

- Related to Bug #95118: Unable to use UriBuilder outside Extbase added

### #11 - 2021-09-07 07:40 - Benni Mack

- Status changed from Resolved to Closed

### #12 - 2021-09-17 13:11 - Benni Mack

- Related to Bug #95265: Revert injection of ContentObjectRenderer in UriBuilder added