TypolinkViewhelper with linkhandler ignores class attribute

2017-04-19 14:39 - Kai Tallafus

<table>
<thead>
<tr>
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<th>Start date:</th>
<th>2017-04-19</th>
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<td>Tags:</td>
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<td>Sprint Focus:</td>
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</table>

**Description**

Linkhandler TypoScript definition:

```typo3conf/TypoScript/config.recordLinks.products{
forceLink = 0

typolink {
 parameter = 9
 additionalParams.data = field:uid
 additionalParams.wrap = $tx_product_productlist[product]=$tx_product_productlist[action]=
 show
    ATagParams.data = parameters : allParams
    useCacheHash = 1
}
}
```

Fluidtemplate:

```<f:link.typolink parameter="{teaser.primaryLink}" class="btn btn-yellow">...</f:link.typolink>
```

Output:

```<a href="...">...</a>
```

How are we supposed to output such links with different classes?

ATagParams.data = parameters : allParams helps with links set and styled from RTE, but how can different classes be passed from typolink viewhelper?

**Related issues:**

- Related to TYPO3 Core - Bug #81316: linkhandler does not respect custom typol... (Closed 2017-05-23)
- Related to TYPO3 Core - Bug #81620: Linkhandler remove all attributes set in ... (Closed 2017-06-19)
- Related to TYPO3 Core - Bug #81903: DatabaseRecordLinkBuilder is ignoring oth... (Closed 2017-07-18)
- Duplicated by TYPO3 Core - Bug #82985: class in f:link.typolink ignored (Closed 2017-11-13)
#1 - 2017-05-04 17:47 - Benni Mack
- Target version changed from 8 LTS to next-patchlevel

#2 - 2017-05-24 05:36 - Georg Ringer
- Related to Bug #81316: linkhandler does not respect custom typolink configuration added

#3 - 2017-05-24 07:39 - Georg Ringer
You can solve this by using

```html
<a href="{f:uri.typolink(parameter:link) -> f:format.htmlspecialchars()}
   class="xxx">{header}</a>
```

#4 - 2017-11-14 15:48 - Wouter Wolters
- Duplicated by Bug #82985: class in f:link.typolink ignored added

#5 - 2018-03-05 19:12 - Marc Hirdes
Any news on this topic?

```html
<a href="{f:uri.typolink(parameter:link) -> f:format.htmlspecialchars()}
   class="xxx">{header}</a>
```

Is no workaround in any case. If the link has already a target, title etc. this would be ignored in this case.

#6 - 2018-03-07 17:00 - Mordamir
I don't know how to create a patch, so I post code which fixed it for me. I added the following code to TypolinkViewhelper.php at line 150.

```php
if (strpos($typolinkConfiguration['url'], '?')) {
    // Separate additional params from url. uid needs to be in url, so we need to
    $pos = strpos($typolinkConfiguration['url'], '?') + 1;
    $url = substr($typolinkConfiguration['url'], 0, $pos);
    $query = substr($typolinkConfiguration['url'], $pos);
    parse_str($query, $params);
    $typolinkConfiguration['url'] = $url + 'uid=' + $params['uid'];
    unset($params['uid']);
    $typolinkConfiguration['additionalParams'].= '&' . http_build_query($params);
}
```

It basically looks into the url part of typolinkConfiguration for an ampersand, and if found, adds all additional query parameters to the 'additionalParams' section of the link configuration. Because the uid parameter needs to be part of the url section, the uid is handled separately. Maybe the more correct place would be the decode function of the TypoLinkCodecService.

2020-02-22 2/5
#7 - 2018-03-07 17:12 - Mordamir
Sorry, my code didn't fix the issue. The class is now applied correctly, but the generated link is not. I think this is because the t3://record?identifier=tx_news&uid=... cannot be resolved if I move the uid in the first place.

#8 - 2018-03-09 10:51 - Mordamir
The problem here is that DatabaseRecordLinkHandler ignores any settings from the $conf-array, because it uses the configuration from config.recordLinks.
It should somehow mix the config.recordLinks with the data from $conf, but it seems this is not a trivial task. It's not clear what parameters should be overwritten or appended. $target should be overwritten, but $class could be overwritten or appended. And mixing $tagParams would be a mess.

#9 - 2018-03-20 18:40 - DANIEL Rémy
Hello
A workaround:

```
<f:link.typolink parameter="123" additionalAttributes="{class:'some-class'}">
```

additionalAttributes will not be overridden by linkhandler config, but parameter will be.

#10 - 2018-03-20 18:42 - DANIEL Rémy
- Related to Bug #81620: Linkhandler remove all attributes set in the link wizard and the template added

#11 - 2018-03-20 18:42 - DANIEL Rémy
- Related to Bug #81903: DatabaseRecordLinkBuilder is ignoring other settings added

#12 - 2018-05-05 13:10 - Tom Voigt
DANIEL Rémy wrote:

```
Hello
A workaround:
[...]
```

additionalAttributes will not be overridden by linkhandler config, but parameter will be.

This is not working. I just tested it to get a class into the link like this:

```
<f:link.typolink parameter="[link]" additionalAttributes="{class: 'class', data-test: 'test'}" title="[roundellItem.header]">Test</f:link.typolink>
```

Links without linkhandler are correct. Links with the linkhandler do not have any class or other attribute. Tested on TYPO3 8.7.13.
Maybe solved with #81620? Or am I wrong?

#81620 solves part of the issue.  

But, it remains an edgecase.  

TLDR: always put the page uid directly in the typolink parameter, not in parameter.

Context

- A typolink is make from a Fluid VH: `<f:link.typolink parameter="{linkValue}" class="btn btn-small">{linkLabel}</f:link.typolink>`
- In the Fluid template, `{linkValue}` contains t3://record?identifier=rss&uid=416

Not working TS config:

```yaml
config.recordLinks.rss {
    typolink {
        parameter.data = field:uid
        useCacheHash = 1
    }
}
```

Working TS config:

```yaml
config.recordLinks.rss {
    typolink {
        parameter = {field:uid}
        parameter.insertData = 1
        useCacheHash = 1
    }
}
```

Explanation:

In both cases, DatabaseRecordLinkBuilder receives t3://record?identifier=rss&uid=416 - "btn btn-small" as typolink parameter.
In both cases, DatabaseRecordLinkBuilder builds a typolink configuration (result from a merge of the typolink parameter and the TS config), and call ContentObjectRenderer->typolink function.

But...

In the former, ContentObjectRenderer->typolink receives this:

```
parameter = -- "btn btn-small"
parameter.data = field.uid
```

Here, stdWrap overrides the whole paremeter value, and the part - "btn btn-small" of the typolink config is lost.

In the latter, ContentObjectRenderer->typolink receives this:

```
parameter = {field:uid} - "btn btn-small btn-outline-white"
parameter.insertData = 1
```
Here, stdWrap replaces {field:uid}, and the typolink config is complete: 416 - "btn btn-small"

**Conclusion**
I don't think this is a bug: with [#81620](#81620), a typolink configuration is now correctly merged from the Fluid VH to the linkhandler configuration. But the linkhandler TS config must be very carefully wrote.

Regards.

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#15 - 2018-10-25 11:59 - Susanne Moog
- Sprint Focus set to On Location Sprint

#16 - 2019-04-17 23:41 - Benni Mack
- Target version changed from next-patchlevel to Candidate for patchlevel

#17 - 2020-01-12 12:06 - Susanne Moog
- Sprint Focus deleted (On Location Sprint)