TYPO3 Core - Bug #77722

absRefPrefix is not applied everywhere

2016-08-31 17:27 - Robert Vock

Status:	New	**Start date:**	2016-08-31
Priority:	Should have	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Frontend	**Estimated time:**	0.00 hour
Target version:	Candidate for patchlevel		
TYPO3 Version:	6.2	**Complexity:**	
PHP Version:		**Is Regression:**	No
Tags:		**Sprint Focus:**	

Description

When I've set absRefPrefix, it is not set everywhere. One example is the srcset-attribute:

```
<img src="fileadmin/example.png" srcset="fileadmin/example.png 200w, fileadmin/example_400.png 400w">
```

gets converted to

```
<img src="/fileadmin/example.png" srcset="/fileadmin/example.png 200w, fileadmin/example_400.png 400w">
```

(only the first fileadmin in the srcset got replaced)

This happens because TypoScriptFrontendController::setAbsRefPrefix() just searches for "fileadmin as a simplification of finding attributes which start with a relative path.

One improvement would be to add the absRefPrefix in the getPublicUrl() method of ResourceStorage, if relativeToCurrentScript is false:
https://github.com/TYPO3/TYPO3.CMS/blob/84865ff97f567d412bf5b5cad4bc57aefaff3747/typo3/sysext/core/Classes/Resource/ResourceStorage.php#L1310

Then images which are used within srcset will already have the correct path. Of course this does not fix all missing prefixes, but at least all where FAL is used.

Related issues:

Related to TYPO3 Core - Bug #72164: "absRefPrefix = auto" does not work if Pa...	**Closed**	**2015-12-11**
Related to TYPO3 Core - Bug #82486: IncludeJS* / includeCSS* (including compr...	**Closed**	**2017-09-14**
Related to TYPO3 Core - Bug #82574: Inconsistent support of config.absRefPref...	**New**	**2017-09-28**

History

#1 - 2016-08-31 17:49 - Benni Mack

I would suggest that the fix is, that it searches for all local storages and takes their prefixes and searches through them in the same place - what do you think?

#2 - 2016-09-01 08:40 - Robert Vock

The method TypoScriptFrontendController::setAbsRefPrefix() already loops over the storages and sets the absRefPrefix for all folders:
https://github.com/TYPO3/TYPO3.CMS/blob/2ba08444c9cd7613c97e10b65fd53867565f205c/typo3/sysext/frontend/Classes/Controller/TypoScriptFrontendController.php#L3884

There it performs a simple str_replace, where it takes the prefix of each storage and prepends a quote. So it searches for **"fileadmin** instead of only **fileadmin**. This works in most cases, when the path directly appears in an attribute, but not when it appears at other places.

It's not possible to perform a simple str_replace, when you leave the quote, because you would also replace **fileadmin** where it already is prepended by a prefix or a domain. I think this would quickly introduce new bugs. That's why I would only change the getPublicUrl()-method of ResourceStorage. If the introduces coupling between ResourceStorage and TSFE is undesired, there could be a hook like emitPostGeneratePublicUrlSignal and TSFE fixes the paths within the hook.

#3 - 2016-09-02 23:34 - Ernesto Baschny

- Status changed from New to Needs Feedback

Robert Vock, the original css_styled_content implementation of responsive images uses the cImage method, which calls ContentObjectRenderer::getImageSourceCollection which will take care of adding the absRefPrefix before each link before rendering. I am not sure how you ended up with the srcset without the absRefPrefix. Maybe you are not using the cImage API? Could you elaborate on that?

#4 - 2016-09-05 08:53 - Robert Vock

I am using Smarty as template engine, and work directly with FileReference-Objects within the template and call their getPublicUrl-method ;)

But either way, it's not restricted to srcset. Anywhere, where an integrator uses the publicUrl, and it is not at the start of an attribute, absRefPrefix will not work.

Another example is a background image:

```
lib.backgroundImage = IMG_RESOURCE
lib.backgroundImage.file.import.data = levelmedia:-1, slide
lib.backgroundImage.file.import.listNum = 0
lib.backgroundImage.file.treatIdAsReference = 1
lib.backgroundImage.stdWrap.wrap (
  <div style="background-image:url('|');" class="page-background"></div>
)

page.20 < lib.backgroundImage
```

Here the publicUrl is not prefixed with the absRefPrefix.

Other examples might be, if you want to output a url within JavaScript, which gets generated by TypoScript.

#5 - 2016-09-16 08:04 - Josef Glatz

I also discovered the problem in TYPO3 8.4.0-dev (master) within the `f:uri.resource` view helper. Is this intentionally, or even a relevant error?

#6 - 2016-11-02 13:55 - Christian Toffolo

I also encountered this bug setting in a Fluid partial:

```
style="background-image: url('{f:cObject(typoscriptObjectPath: 'lib.imagePlaceholderFluid', data: {image: item
.backgroundImage.0.uid})}');"
```

The single quote after

```
url(
```

make function setAbsRefPrefix() to fail to add the absRefPrefix.

#7 - 2017-02-14 13:13 - Alexander Opitz

- Status changed from Needs Feedback to New

- Target version set to Candidate for patchlevel

- TYPO3 Version changed from 8 to 6.2

#8 - 2017-03-31 09:08 - David Bruchmann

Depending on need the usage of absRefPrefix might be wrong here.
IMO there should be either a parameter if absRefPrefix shall be prepended or a second variable including the merged path.
As the usage is in different places perhaps the parameter solution is easier in realization and usage.
So a general approach to change the paths without options is wrong in my opinion.

#9 - 2017-09-28 09:21 - DANIEL Rémy

- Related to Bug #82486: IncludeJS / includeCSS* (including compression / concatenation) ignoring absRefPrefix added*

#10 - 2018-02-02 21:54 - Riccardo De Contardi

- Related to Bug #83630: Config.absRefPrefix not working anymore for includeCSS, includeJs, includeJSLibs, includeCSSLibs after update to 8.7.9 added

#11 - 2018-03-12 13:09 - Oliver Hader

- Related to deleted (Bug #83630: Config.absRefPrefix not working anymore for includeCSS, includeJs, includeJSLibs, includeCSSLibs after update to 8.7.9)

#12 - 2019-10-24 23:13 - Riccardo De Contardi

I tried to repeat the test reported on [#82486](#) on a 9.5.10 TYPO3 installation, i.e.

1) TS Setup

```
config {
  absRefPrefix = /foo/
  compressJs = 1
}

page = PAGE
page {
  10 = TEXT
  10.value = HELLO WORLD!
  # setting a link to test if absRefPrefix works
  10.typolink.parameter = 1

  includeJSLibs.js1 = fileadmin/js1.js
  includeJSLibs.js2 = fileadmin/js2.js

  includeCSS.css1 = fileadmin/css1.css
  includeCSSLibs.css1 = fileadmin/css1.css
}
```

Results:

The files are prepended with the /foo prefix:

```
<link rel="stylesheet" type="text/css" href="/foo/fileadmin/css1.css?1571951025" media="all">
<link rel="stylesheet" type="text/css" href="/foo/fileadmin/css1.css?1571951025" media="all">

<script src="/foo/typo3temp/assets/compressed/js1-073ad306084932e4f6f8cc94ecc220df.js?1571951083" type="text/j
avascript"></script>
<script src="/foo/typo3temp/assets/compressed/js2-5902d8a0726c46b4d9e425058757d08c.js?1571951083" type="text/j
avascript"></script>
```

while the **HELLO WORLD!** link is not (ID=1 is my homepage, but the result does not change with choosing another page):

```
<a href="/">HELLO WORLD!</a>
```

#13 - 2019-10-27 00:08 - Riccardo De Contardi

- Related to Bug #82574: Inconsistent support of config.absRefPrefix in fluid/extbase added

#14 - 2020-11-13 12:45 - Marc Hirdes

Any workaround? I really need this. A customer imports the HTML and needs absolute paths.