Core - Bug # 64224

Status:	Resolved		**Priority:**	Should have
Author:	Peter Niederlag		**Category:**	File Abstraction Layer (FAL)
Created:	2015-01-09		**Assigned To:**	
Updated:	2015-01-29		**Due date:**	

TYPO3 Version:	6.2
PHP Version:	
Complexity:	
Is Regression:	No
Sprint Focus:	On Location Sprint
Subject:	GIFBUILDER with FAL and UTF-8 filesystem

Description

given is a file "wärme.png"

given is the file is used in a content element via a file refernce (FAL)

given is a TypoScript setup to render the image via a GIFBUILDER Object

then I see a broken image rendered as the filename is not processed correctly

ContentObjectRender->getImgResource() does return '$processedFileObject->getPublicUrl()' inside the imgResource of the processdFile which is rawurlencoded().

This patch/change cures the problem by adding an extra rawurldecod() inside the GifBuilder. Does not feel like the proper solution and I will see if it breaks anywhere else for some time.

```
iff --git a/typo3/sysext/frontend/Classes/Imaging/GifBuilder.php b/typo3/sysext/frontend/Classes/Imaging/GifBuilder.php
index 9d13e6c..306b676 100644
--- a/typo3/sysext/frontend/Classes/Imaging/GifBuilder.php
+++ b/typo3/sysext/frontend/Classes/Imaging/GifBuilder.php
@@ -206,7 +206,7 @@ class GifBuilder extends \TYPO3\CMS\Core\Imaging\GraphicalFunctions {
                $fileInfo = $this->getResource($conf['file'], $conf['file.']);
                if ($fileInfo) {
                    $this->combinedFileNames[] = preg_replace('/\.[[:alnum:]]+$/', '', basename($fileInfo[3]));
-                   $this->setup[$theKey . '.']['file'] = $fileInfo[3];
+                   $this->setup[$theKey . '.']['file'] = rawurldecode($fileInfo[3]);
                    $this->setup[$theKey . '.']['BBOX'] = $fileInfo;
                    $this->objBB[$theKey] = $fileInfo;
                    if ($conf['mask']) {
```

Related issues:

related to Core - Bug # 65378: Scaling/cropping images in GIFBUILDER does not...	**Resolved**	**2015-02-27**
related to Core - Bug # 67192: Problem with IMAGE object when image file name...	**New**	**2015-05-29**

Associated revisions

Revision fd232ede - 2015-01-29 08:24 - Torben Hansen

[BUGFIX] Use getForLocalProcessing() for FAL images in GIFBUILDER

GIFBUILDER must use getForLocalProcessing() for FAL images, so

image processing is possible for files containing special
chars (e.g. umlauts) when using an UTF-8 filesystem.

Resolves: #64224
Releases: master, 6.2
Change-Id: Ib3b372ceea1afa839787c61a3f118b3f62f05dcc
Reviewed-on: http://review.typo3.org/36180
Reviewed-by: Frans Saris <franssaris@gmail.com>
Tested-by: Frans Saris <franssaris@gmail.com>
Reviewed-by: Benjamin Mack <benni@typo3.org>
Tested-by: Benjamin Mack <benni@typo3.org>

Revision cbdbacc7 - 2015-01-29 08:25 - Torben Hansen

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Reviewed-by: Frans Saris <franssaris@gmail.com>
Tested-by: Frans Saris <franssaris@gmail.com>
Reviewed-by: Benjamin Mack <benni@typo3.org>
Tested-by: Benjamin Mack <benni@typo3.org>
(cherry picked from commit fd232edeab2c72a7bac582b454b8db6b788f017c)
Reviewed-on: http://review.typo3.org/36340

Revision ef5f6cc8 - 2015-03-04 19:26 - Torben Hansen

[BUGFIX] Regression when scaling/cropping in GIFBUILDER

The fix for issue #64224 introduced a regression in GIFBUILDER
resulting in problems with image scaling/cropping.

For $fileInfo and $maskInfo: use 'processedFile' for FAL files
if available and correctly distinguish between FAL- and non-FAL files
otherwise by checking for 'origFile'.

Resolves: #65378
Related: #64224
Releases: master, 6.2
Change-Id: Ib472bdcdc7f814e50ebd18e084f5fbe7d09fc410
Reviewed-on: http://review.typo3.org/37483
Reviewed-by: Stephan Großberndt <stephan@grossberndt.de>
Tested-by: Stephan Großberndt <stephan@grossberndt.de>
Reviewed-by: Frans Saris <franssaris@gmail.com>
Tested-by: Stefan Froemken <froemken@gmail.com>

Tested-by: Christoph Lehmann <christoph.lehmann@networkteam.com>

Tested-by: Philipp Mueller <philipp.mueller@lavitto.ch>

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

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

Revision 835be9a8 - 2015-03-04 19:27 - Torben Hansen

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For $fileInfo and $maskInfo: use 'processedFile' for FAL files
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otherwise by checking for 'origFile'.

Resolves: #65378

Related: #64224

Releases: master, 6.2

Change-Id: Ib472bdcdc7f814e50ebd18e084f5fbe7d09fc410

Reviewed-on: http://review.typo3.org/37533

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

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

History

#1 - 2015-01-09 20:36 - Peter Niederlag

- Subject changed from GIFBUILDE with FAL and UTF-8 filesystem to GIFBUILDER with FAL and UTF-8 filesystem

#2 - 2015-01-09 20:36 - Peter Niederlag

- Category set to File Abstraction Layer (FAL)

#3 - 2015-01-09 20:40 - Mathias Schreiber

- Target version set to 7.1 (Cleanup)

- Sprint Focus set to On Location Sprint

#4 - 2015-01-09 20:43 - Markus Klein

IMO using getPublicUrl() for internal further processing is just plain wrong. Does not work for protected storages I guess and will for sure not work if there's some other driver than the LocalDriver.

#5 - 2015-01-09 22:45 - Peter Niederlag

Markus Klein wrote:

> *IMO using getPublicUrl() for internal further processing is just plain wrong. Does not work for protected storages I guess and will for sure not work*
> *if there's some other driver than the LocalDriver.*

I do very much agree, but what's the alternative? GifBuilder relies on ContentObjectRenderer->getImgResource(), that doesn't seem debatable to me.
However this will add 'originalFile' in case of an fileObject so maybe GifBuilder should pick up on that on if it's available?

#6 - 2015-01-14 22:57 - Frans Saris

For processing a file use getForLocalProcessing() and not getPublicUrl().

#7 - 2015-01-17 07:26 - Torben Hansen

Frans Saris wrote:

> *For processing a file use getForLocalProcessing() and not getPublicUrl().*

Using getForLocalProcessing() seems to work fine if we directly use it in GifBuilder

    $this->setup[$theKey . '.']['file'] = $fileInfo['originalFile']->getForLocalProcessing();

Should there be a check to see, if $fileInfo['originalFile'] is really available?

#8 - 2015-01-19 09:49 - Peter Niederlag

Hi,

first of all, many thx for your initiative.

Torben Hansen wrote:

> *Frans Saris wrote:*
>
> > *For processing a file use getForLocalProcessing() and not getPublicUrl().*
>
> *Using getForLocalProcessing() seems to work fine if we directly use it in GifBuilder*
>
> *[...]*
>
> *Should there be a check to see, if $fileInfo['originalFile'] is really available?*

If GIFBUILDER can still work without FAL (which I think is true), then there must be a check if originalFile is available. Should not be to expensive and is just making this beast less error prone.

#9 - 2015-01-22 20:05 - 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 http://review.typo3.org/36180

#10 - 2015-01-22 21:30 - 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 http://review.typo3.org/36180

#11 - 2015-01-29 08:25 - Gerrit Code 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/36340

#12 - 2015-01-29 08:30 - Torben Hansen

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:fd232edeab2c72a7bac582b454b8db6b788f017c.