

TYPO3 Core - Bug #88163

InvalidArgumentException on uploading file starting with umlauts

2019-04-17 11:31 - Stephan Großberndt

Status:	Closed	Start date:	2019-04-17
Priority:	Must have	Due date:	
Assignee:		% Done:	0%
Category:	File Abstraction Layer (FAL)	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	9	Is Regression:	Yes
PHP Version:		Sprint Focus:	
Tags:			

Description

If you upload a file starting with an umlaut, e.g.

"allgemeines Döküment.txt"

to a TYPO3 instance using `UTF8filesystem = true` this leads to an error although the file was uploaded

>

and an exception on accessing the folder the file was uploaded to

This seems to be the case due to TYPO3 stripping the leading umlauts when processing the file for FAL but keeping them in the uploaded file stored in the folder.

Related issues:

History

#1 - 2019-04-17 16:57 - Frans Saris

For me it doesn't break in TYPO3 8 but in TYPO3 9 it does

#2 - 2019-04-17 17:00 - Frans Saris

- File *screenshot.png* added

if you look at the stacktrace you see that the fileIdentifier is somewhere trimmed. The first char is removed

```
fileIdentifier('/allgemeine_dokumente/allgemeines_Dokument.txt', array('size'))
```

#3 - 2019-04-17 17:26 - Stephan Großberndt

- Is Regression set to Yes

#4 - 2019-10-05 12:28 - Christian EBl

- Is Regression changed from Yes to No

The problem lies in PHP's function `basename()` which is used in the PathUtility:

```
public static function basename($path)
{
    $currentLocale = setlocale(LC_CTYPE, 0);
    setlocale(LC_CTYPE, $GLOBALS['TYPO3_CONF_VARS']['SYS']['systemLocale']);
    $basename = basename($path);
    setlocale(LC_CTYPE, $currentLocale);
    return $basename;
}
```

If your locale is not set to UTF-8, `basename()` will return an empty string on filenames that start with an umlaut. To fix this behaviour, set your `systemLocale` in TYPO3 to some string with UTF-8.

Example:

```
$GLOBALS['TYPO3_CONF_VARS']['SYS']['systemLocale'] = 'en_US.UTF-8';
```

#5 - 2019-10-05 17:57 - Christian EBl

- Related to Task #89351: Warn in [SYS][UTF8filesystem] that a valid UTF-8 locale is necessary added

#6 - 2019-10-10 08:55 - Stephan Großberndt

- Status changed from New to Needs Feedback

- Is Regression changed from No to Yes

I reported it for TYPO3 9.5.5 - now I tested again on a TYPO3 8.7.27 and TYPO3 9.5.9

Both have (and had) the same settings:

```
$GLOBALS['TYPO3_CONF_VARS']['SYS']['UTF8filesystem'] = true;
$GLOBALS['TYPO3_CONF_VARS']['SYS']['systemLocale'] = 'de_DE.UTF-8';
```

I can no longer reproduce the issue, maybe it was solved in between? Frans, could you please confirm the issue is no longer there for you too?

#7 - 2019-10-10 19:54 - Frans Saris

For me this wasn't a problem

#8 - 2019-10-10 20:09 - Stephan Großberndt

- Status changed from Needs Feedback to Closed

Files

error_after_upload.png	40.2 KB	2019-04-17	Stephan Großberndt
exception_folder_access.png	92.5 KB	2019-04-17	Stephan Großberndt
screenshot.png	4.72 KB	2019-04-17	Frans Saris