

dfc - Bug #182

dfc doesn't displays unicode names properly

05/28/2013 07:43 AM - Robin Hahling

Status:	Rejected	Start date:	05/28/2013
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	3.1.0		
Description			
It looks like dfc has issues determining unicode strings' length. As /dev/sdXY name are ascii only, this is only visible, for example, when folders are mounted with the "bind" option that include non ascii characters in their name. Although the name is displayed properly, each non ascii character (e.g. "é") is counted as more than one character. This causes the "(=) USED FREE (-)" bar not to be aligned anymore for the lines with these characters.			
See https://bugs.launchpad.net/ubuntu/+source/dfc/+bug/1184702			

History

#1 - 09/17/2014 05:33 PM - Robin Hahling

- Target version set to 3.1.0

#2 - 07/16/2016 11:24 AM - Robin Hahling

- Description updated

#3 - 07/22/2016 08:48 PM - Robin Hahling

- File *strwidth.patch* added

- Status changed from *New* to *Rejected*

Short story: C and unicode is a nightmare

Long story:

I've attempted things to fix this issue (see attached patch for the record). So computing the width required to display a unicode string is not an issue but then other issues arise. For instance, things like this do not work with unicode strings:

```
(void)printf("%-*s", max.fsname, fsname);
```

This means that then one should probably be using `wprintf(3)` but then it means that all `char *` need to be converted to `wchar_t *` and so on. You see the picture. Without using something like the ICU library, it is a nightmare and I am not willing to make ICU a dependency of dfc.

Files

strwidth.patch	9.33 KB	07/22/2016	Robin Hahling
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