Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Bug #392

Non-ASCII characters cannot be used on command line in Windows

January 10, 2014 06:48 - John Lindgren

Status:	Closed		**Start date:**	January 10, 2014
Priority:	Major		**Due date:**	
Assignee:	John Lindgren		**% Done:**	100%
Category:	core		**Estimated time:**	0.00 hour
Target version:	3.5			
Affects version:	3.4.3			

Description

As noticed here [1], filenames with non-ASCII characters cannot be opened via the command line in Windows. Opening the same files from the Open dialog works correctly.

Technical details:

This is due to GLib's crazy definition of "filename encoding", which means the system locale on every system except Windows, but UTF-8 on Windows [2]. When we pass G_OPTION_ARG_FILENAME_ARRAY to GLib to get our list of filenames from the command line, we are treating these filenames as though they are in the system locale. This is a correct assumption on most systems, but on Windows, GLib has already converted those filenames to UTF-8. We happily go and run the conversion a second time, which (for example) turns "ú" (FAh in CP1252, C3h BAh in UTF-8) into "Ãº" (C3h 83h C2h BAh in UTF-8).

[1] http://redmine.audacious-media-player.org/boards/1/topics/1018

[2] Particularly ironic since UTF-8 is one of the few encodings you **cannot** use for filenames in Windows. You can use CP1252 and most other legacy encodings, or you can use UTF-16, but not UTF-8.

History

#1 - January 11, 2014 20:21 - John Lindgren

- Status changed from New to Closed

- Target version changed from 52 to 3.5

- % Done changed from 0 to 100

https://github.com/audacious-media-player/audacious/commit/e1d4c975674ac3e3f24ea275659b92c38aa9cf12