## Audacious - OLD, PLEASE USE GITHUB DISCUSSIONS/ISSUES - Bug #498

# Not parsing UTF-8 id3v2 tags properly: "Cannot convert from locale (UTF-8): Nightmares On Wax" (maybe glib2-related?)

January 14, 2015 02:36 - CJ Kucera

Status:	Closed	Start date:	January 14, 2015
Priority:	Minor	Due date:	
Assignee:		% Done:	100%
Category:	libaudtag	Estimated time:	0.00 hour
Target version:	3.6		
Affects version:	3.5.2		
Description			
box), Audacious was	from locale (UTF-8): Foo		on a "clean" sourcecode compile on the F21 Itting the following:
does the following: if (! g { whit	de a bit and discovered that in my _utf8_validate (str, len, ne_locale (str, len, "fro urn NULL;	NULL))	e line 81 in src/libaudcore/charset.c, which
the null termination). https://developer.gnc function will return F/ termination, and so e I can fix this on my e behavior of g_utf8_va	The current docs for g_utf8_valion ome.org/glib/stable/glib-Unicode-N ALSE if any of the specified bytes each UTF-8 string was being discand	date at <u>Aanipulation.html#g-utf8-validate</u> s are NULL. So basically each UT arded. or "-1", I suppose) I'm not sure ent glib2 version jump between F1	as set to the full length of the string (including state that if the length is specified, the 'F-8 string being validated included its null if the problem here is a change in the 9 and F21), or if that string wasn't intended t
Anyway, let me know	v if I can provide any extra info. T	he glib2 version on this box is cu	rrently 2.42.1, if that helps. Thanks!
Anyway, let me know History	v if I can provide any extra info. T	he glib2 version on this box is cu	rrently 2.42.1, if that helps. Thanks!

And, I suppose, to be doubly-clear, the attached patch does seem to fix the problem on my end, though I'm not sure if this is the right way to fix it, or if fixing it this way would produce any unintended side effects.

#### #2 - January 14, 2015 02:45 - CJ Kucera

- File sine.mp3 added

And, for reference, a small little mp3 (just a sine wave) with an id3v2 tag which exhibits this problem for me.

#### #3 - January 15, 2015 05:26 - John Lindgren

- Category set to libaudtag
- Status changed from New to Closed
- Target version set to 3.6
- % Done changed from 0 to 100

Excellent debugging, thank you! This is no doubt the root problem behind #490 as well.

Subtracting 1 from the length in str\_from\_locale() isn't quite correct, since the length passed in isn't supposed to include a terminating null. Actually, there shouldn't be a null character in the ID3 text field to start with,\* but we can handle it anyway. I've added a check to do so in id3\_decode\_text(): <a href="https://github.com/audacious-media-player/audacious/commit/d90f419288cb8771de42655c2f9807be18672bc7">https://github.com/audacious-media-player/audacious/commit/d90f419288cb8771de42655c2f9807be18672bc7</a>

I didn't see this problem on my machine since I have "ISO-8859-1" set as a fallback character encoding. "UTF-8" would work as well. The idea is to force a call to str\_convert(), which will eventually call strlen() and remove the extra null character.

\*At least not for text fields that contain only a single string. ("All text information frames supports multiple strings, stored as a null separated list, where null is represented by the termination code for the charater encoding.")

### Files

audacious-3.5.2-utf8-fix.patch sine.mp3

547 Bytes January 14, 2015 40.9 KB January 14, 2015 CJ Kucera CJ Kucera