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		2 tags properly, with each one outpu	n a "clean" sourcecode compile on the F21 tting the following:
does the following: if (! g { whi:	de a bit and discovered that in _utf8_validate (str, le ne_locale (str, len, "f urn NULL;	n, NULL))	e line 81 in src/libaudcore/charset.c, which
}			
the null termination). https://developer.gnc function will return Fr termination, and so e I can fix this on my e behavior of g_utf8_v be NULL-terminated	The current docs for g_utf8_v ome.org/glib/stable/glib-Unicod ALSE if any of the specified by each UTF-8 string was being di nd by passing in "len-1" instead alidate (I'm sure there was a de or something so it's not being	alidate at <u>-Manipulation.html#g-utf8-validate</u> s es are NULL. So basically each UT scarded. d (or "-1", I suppose) I'm not sure i ecent glib2 version jump between F1 passed around like it expects.	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
the null termination). https://developer.gno function will return Fri termination, and so e I can fix this on my e behavior of g_utf8_v be NULL-terminated Anyway, let me know	The current docs for g_utf8_v ome.org/glib/stable/glib-Unicod ALSE if any of the specified by each UTF-8 string was being di nd by passing in "len-1" instead alidate (I'm sure there was a de or something so it's not being	alidate at <u>e-Manipulation.html#g-utf8-validate</u> s es are NULL. So basically each UT scarded. d (or "-1", I suppose) I'm not sure i ecent glib2 version jump between F1	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
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_v be NULL-terminated	The current docs for g_utf8_v ome.org/glib/stable/glib-Unicod ALSE if any of the specified by each UTF-8 string was being di nd by passing in "len-1" instead alidate (I'm sure there was a do or something so it's not being v if I can provide any extra info	alidate at <u>-Manipulation.html#g-utf8-validate</u> s es are NULL. So basically each UT scarded. d (or "-1", I suppose) I'm not sure i ecent glib2 version jump between F1 passed around like it expects.	F-8 string being validated included its null f the problem here is a change in the 9 and F21), or if that string wasn't intended t

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

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

fixing it this way would produce any unintended side effects.

- 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(): https://github.com/audacious-media-player/audacious/commit/d90f419288cb8771de42655c2f9807be18672bc7

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