

Ruby master - Bug #8445

IO.open and IO#set_encoding does not support :fallback option

05/24/2013 10:03 PM - pjmt dw (Haruhiro Yoshimoto)

Status: Assigned	
Priority: Normal	
Assignee: akr (Akira Tanaka)	
Target version:	
ruby -v: trunk(ruby 2.1.0dev)	Backport: 1.9.3: UNKNOWN, 2.0.0: UNKNOWN
Description	
<p>RubyDoc says that IO.open and IO#set_encoding supports optional argument defined in String#encode. http://ruby-doc.org/core-2.0/IO.html#method-c-new-label-Options</p> <p>In fact, :invalid, :undef and :replace works as expected.</p> <p>However, :fallback option does not work neither for IO.open and IO#set_encoding. Following is the example code which does not work. f(x) is never called even if hoge.txt contains non convertible character.</p> <pre>File.open("./hoge.txt", "r:Shift_JIS:utf-8", :fallback => lambda{ x f(x)}){ f ... } File.open("./hoge.txt"){ f f.set_encoding("Shift_JIS","utf-8",:fallback => lambda{ x f(x)}) ... }</pre> <p>I Think this is because fill_cbuf() in io.c calls rb_econv_convert() from transcode.c directly. On the other hand, fallback_func is called in transcode_loop(), which is called by str_encode().</p> <p>Since transcode_loop() also calls rb_econv_convert(), I wrote a small patch which moves some codes from transcode_loop() to rb_econv_convert() to fix the problem.</p> <p>The attached file is the patch. Hope this helps.</p>	

History

#1 - 05/25/2013 11:50 PM - naruse (Yui NARUSE)

- Category set to M17N
- Status changed from Open to Assigned
- Assignee set to akr (Akira Tanaka)
- Target version set to 2.1.0

Is this intentional or just unexpected inconsistency?

#2 - 01/30/2014 06:17 AM - hsbt (Hiroshi SHIBATA)

- Target version changed from 2.1.0 to 2.2.0

#3 - 01/05/2018 09:00 PM - naruse (Yui NARUSE)

- Target version deleted (2.2.0)

Files

support-fallback-for-io.patch	3.9 KB	05/24/2013	pjmt dw (Haruhiro Yoshimoto)
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