

Ruby - Bug #3296

windows iconv.dll MSVC runtime DLL ruby [BUG]

05/15/2010 01:24 AM - tarui (Masaya Tarui)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:		
Target version:	1.9.2	
ruby -v:	ruby 1.9.2dev (2010-05-14 revision 27797) [i386-mswin32_90]	

Description

```
=begin
iconv

require 'iconv'

Iconv.iconv("utf-8", "SJIS", "heh")
Iconv.iconv("utf-8", "X-UNKNOWN", "heh")

/soft/iconv.rb:4: [BUG] rb_sys_fail(iconv("utf-8", "X-UNKNOWN")) - errno == 0
iconv::BrokenLibrary
Patch
iconv.dll _errno()
iconv
```

Index: include/ruby/win32.h

```
--- include/ruby/win32.h (27790)
+++ include/ruby/win32.h ( )
@@ -274,6 +274,9 @@
extern int fcntl(int, int, ...);
extern rb_pid_t rb_w32_getpid(void);
extern rb_pid_t rb_w32_getppid(void);
+
+extern void *rb_w32_GetImportFunctionPtr(const char *,const char *);
+
#if !defined(BORLANDC)
extern int rb_w32_isatty(int);
#endif
```

Index: win32/win32.c

```
--- win32/win32.c (27790)
+++ win32/win32.c ( )
@@ -29,6 +29,8 @@
#include <share.h>
#include <shlobj.h>
#include <mbstring.h>
```

```
+ #include <imagehlp.h>
+
+ #if _MSC_VER >= 1400
+ #include <crtDBG.h>
+ #include <rtcap.h>
+ @@ -5641,3 +5643,32 @@
+
+     return *ip < 0;
+ }
+ #endif
+
+ void *
+ rb_w32_GetImportFunctionPtr(const char *modname,const char *funcname){
+
+     • HMODULE hmod;
+     • ULONG size;
+     • const IMAGE_IMPORT_DESCRIPTOR* desc;
+     • hmod = GetModuleHandle(modname);
+     • if(!hmod)return NULL;
+     • desc = ImageDirectoryEntryToData(hmod,TRUE,IMAGE_DIRECTORY_ENTRY_IMPORT,&size);
+     • if(!desc)return NULL;
+     • while(desc->Name){
+     • PIMAGE_THUNK_DATA piat,pint;
+     • PIMAGE_IMPORT_BY_NAME pii;
+     • pint = (PIMAGE_THUNK_DATA)((char *)hmod + desc->Characteristics);
+     • piat = (PIMAGE_THUNK_DATA)((char *)hmod + desc->FirstThunk);
+     • while(piat->u1.Function){
+
+         • ████████████████████████████████████████████████████████████████████████████
+
+         • ████████████████████████████████████████████████████████████████████████████
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+         • ████████████████████████████████████████████████████████████████████████████
+
+         • }
+         • desc++;
+         • }
+         • return NULL;
+     +}
+ }
```

Index: win32/Makefile.sub

```
--- win32/Makefile.sub (  27790)
+++ win32/Makefile.sub (  )
@@ -212,7 +212,7 @@
EXTLIBS =
!endif
!if !defined(LIBS)
-LIBS = oldnames.lib user32.lib advapi32.lib shell32.lib ws2_32.lib
$(EXTLIBS)
```

```

--- ext/iconv/iconv.c (000000 27790)
+++ ext/iconv/iconv.c (000000)
@@ -130,6 +130,14 @@ @@

static VALUE charset_map;

#ifdef _WIN32
+static int* (* _iconv_errno)(void);
+#undef errno
+#define errno (_iconv_errno())
+#endif
+
+
+
/

  • Document-method: charset_map

  • call-seq: Iconv.charset_map
    @@ -1212,5 +1220,12 @@ @@

    rb_gc_register_address(&charset_map);
    charset_map = rb_hash_new();
    rb_define_singleton_method(rb_cIconv, "charset_map", charset_map_get, 0);

#ifdef _WIN32

  • _iconv_errno = rb_w32_GetImportFunctionPtr("iconv.dll", "_errno");
  • if(!_iconv_errno)
  • _iconv_errno = _errno;
  • #endif

}
=end

```

#1 - 05/15/2010 05:54 PM - nobu (Nobuyoshi Nakada)

At Sat, 15 May 2010 01:24:56 +0900,
masaya tarui wrote in [\[ruby-dev:41317\]](#):

```

00000000_errno0000000000000000Patch00000000
iconv.dll00000000_errno() 0000000000000000
000000000000

```

[illegible]

iconv
iconv
iconv
iconv

--
--- Bug
--- Bug

=end

#2 - 05/16/2010 02:46 PM - nobu (Nobuyoshi Nakada)

- *Status changed from Open to Closed*

=begin
This issue was solved with changeset r27805.
Masaya, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end