

Ruby trunk - Bug #6462

Broken build under MinGW due undefined references

05/20/2012 12:50 AM - luislavena (Luis Lavena)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:	2.0.0	
ruby -v:	ruby 1.9.3p194	Backport:
Description		
Attempt to compile latest trunk (r35721) result in the following errors:		
linking shared-library msvcr-ruby200.dll Creating library file: libmsvcr-ruby200.dll.a dl.o: In function rb_w32_check_imported': C:\Users\Worker\Code\ruby\ruby\build32\..\dl.c:1212: undefined reference to <u>implImageDirectoryEntryToData@16'</u> <u>vm_dump.o: In function dump_thread':</u> <u>C:\Users\Worker\Code\ruby\ruby\build32\..\vm_dump.c:696: undefined reference to _impSymSetOptions@4'</u> <u>win32/win32.o: In function StartSockets':</u> <u>C:\Users\Worker\Code\ruby\ruby\build32\..\win32/win32.c:670: undefined reference to _imp_WSAStartup@8'</u>		
Full output: https://gist.github.com/2731272		
Build was done with GCC 4.6.3 (mingw-w64) under Windows 7 x64. Base Ruby was 1.9.3-p194		
The top output from make was:		
CC = gcc LD = ld LDSHARED = gcc -shared -s CFLAGS = -O3 -fno-omit-frame-pointer -fno-fast-math -g -Wall -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long -Wno-missing-field-initializers -Wunused-variable -Werror=pointer-arith -Werror=write-strings -Werror=declaration-after-statement -Werror=implicit-function-declaration XCFLAGS = -include ruby/config.h -include ruby/missing.h -D_FORTIFY_SOURCE=2 -fno-strict-overflow -fvisibility=hidden -DRUBY_EXPORT CPPFLAGS = -DFD_SETSIZE=32767 -D_WIN32_WINNT=0x0501 -I. -I.ext/include/i386-mingw32 -I../include -I.. DLDFLAGS = -WI,--enable-auto-image-base,--enable-auto-import -WI,--out-implib=libmsvcr-ruby200.dll.a msvcr-ruby200.def -WI,--stack,0x00200000,--enable-auto-import SOLIBS = msvcr-ruby200.res.o -lshell32 -lws2_32 -limagehlp		
I'm running git-bisect right now, but things were fine at r35648		
I believe this is caused by static-link-ext, so I'm assigning to Nobu		

Associated revisions

Revision a906a9d9 - 05/20/2012 03:25 AM - nobu (Nobuyoshi Nakada)

Bug #6462: EXTSOLIBS

- Makefile.in (LIBRUBY_SO): link EXTSOLIBS too.
- ext/extmk.rb (mf.macros): use EXTSOLIBS instead of SOLIBS to get rid of discard libraries needed by default. [Bug #6462]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@35722 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 35722 - 05/20/2012 03:25 AM - nobu (Nobuyoshi Nakada)

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History

#1 - 05/20/2012 04:37 AM - luislavena (Luis Lavena)

=begin

After git bisect was done, I can confirm that [r35709](#) (SHA1 0e60b2c6a3c5152fc4ff06054a4ae79edadf9276) introduced the breakage:

commit 0e60b2c6a3c5152fc4ff06054a4ae79edadf9276

Author: nobu nobu@b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Date: Sat May 19 02:37:21 2012 +0000

static-linked-ext: into libruby

- Makefile.in, common.mk (PROGRAM): no extension libraries.
- common.mk (build-ext): pass macros for libruby.so.
- ext/extmk.rb (command_output): link extension libraries and encoding libraries into libruby.so, not ruby executable.

=end

#2 - 05/20/2012 06:03 AM - luislavena (Luis Lavena)

=begin

The issue seems to be caused by the override of SOLIBS when --enable-shared is used to build Ruby:

<https://github.com/ruby/ruby/blob/trunk/ext/extmk.rb#L665-668>

By doing that, system libraries defined by LIBS (which later are used as SOLIBS) like ws2_32, shell32 and others are gone.

=end

#3 - 05/20/2012 12:25 PM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset [r35722](#).

Luis, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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