

## Ruby master - Bug #6360

### Debug information build even without requesting it

04/26/2012 08:46 AM - luislavena (Luis Lavena)

<b>Status:</b>	Assigned	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	nobu (Nobuyoshi Nakada)	
<b>Target version:</b>		
<b>ruby -v:</b>	2.0.0 i386-mingw32 r35473	<b>Backport:</b>
<b>Description</b>		
Hello,		
While working on latest RubyInstaller release for 1.9.3-p194 our team detected a bigger shared library and import library being generated.		
After further inspection, we found this commit: <a href="https://github.com/ruby/ruby/commit/ffdaca1d748804f2b5ca2de612f17cf6c78d351b">https://github.com/ruby/ruby/commit/ffdaca1d748804f2b5ca2de612f17cf6c78d351b</a>		
Backported r34840 into ruby_1_9_3 branch		
The above change added -ggdb to CFLAGS even when was not provided by debugflags configure option.		
The following is the comparison of "make" summary with and without the change:		
Current trunk:		
<pre>C:\Users\Luis\Projects\oss\ruby\build32&gt;make CC = gcc LD = ld LDSHARED = gcc -shared CFLAGS = -O3 -fno-omit-frame-pointer -ggdb -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 = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-implib=libmsvcrt-ruby200.dll.a msvcrt-ruby200.def -Wl,--stack,0x00200000,--enable-auto-import SOLIBS = msvcrt-ruby200.res.o -lshell32 -lws2_32 -limagehlp</pre>		
Reverting r34840:		
<pre>C:\Users\Luis\Projects\oss\ruby\build32&gt;make CC = gcc LD = ld LDSHARED = gcc -shared -s CFLAGS = -O3 -fno-omit-frame-pointer -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 = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-implib=libmsvcrt-ruby200.dll.a msvcrt-ruby200.def -Wl,--stack,0x00200000,--enable-auto-import SOLIBS = msvcrt-ruby200.res.o -lshell32 -lws2_32 -limagehlp</pre>		
Notice that -g changed into -ggdb instead.		
I think debug symbols shouldn't be compiled unless requested and this is a regression.		

### History

### #1 - 08/05/2012 12:21 AM - luislavena (Luis Lavena)

- Target version changed from 1.9.3 to 2.0.0

=begin  
Hello,

Friendly reminder than this still happens in trunk and ruby\_1\_9\_3:

<http://ci.rubyinstaller.org/job/ruby-trunk-x86/94/console>

```
CC = mingw32-gcc
LD = ld
LDSHARED = mingw32-gcc -shared
CFLAGS = -O3 -fno-omit-frame-pointer -fno-fast-math -ggdb3 -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 = -D_WIN32_WINNT=0x0501 -I. -I.ext/include/i386-mingw32 -I../include -I..
DLDFLAGS = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-implib=libmsvcrt-ruby200.dll.a msvcrt-r
uby200.def -Wl,--stack,0x00200000,--enable-auto-import
SOLIBS = msvcrt-ruby200.res.o -lshell32 -lws2_32 -limagehlp
```

And Ruby 1.9.3:

```
CC = mingw32-gcc
LD = ld
LDSHARED = mingw32-gcc -shared
CFLAGS = -O3 -fno-omit-frame-pointer -ggdb -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long -Wno
-missing-field-initializers -Werror=pointer-arith -Werror=write-strings -Werror=declaration-after-statement -W
error=implicit-function-declaration
XCFLAGS = -include ruby/config.h -include ruby/missing.h -fvisibility=hidden -DRUBY_EXPORT
CPPFLAGS = -I. -I.ext/include/i386-mingw32 -I../include -I..
DLDFLAGS = -Wl,--enable-auto-image-base,--enable-auto-import -Wl,--out-implib=libmsvcrt-ruby191.dll.a msvcrt-r
uby191.def
SOLIBS = msvcrt-ruby191.res.o -lshell32 -lws2_32 -limagehlp
```

Thank you.

=end

### #2 - 02/18/2013 09:42 PM - mame (Yusuke Endoh)

- Target version changed from 2.0.0 to 2.1.0

Sorry, but postponing it to 2.1.0.

I believe that Luis can work around the issue,

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

### #3 - 02/18/2013 10:14 PM - luislavena (Luis Lavena)

mame (Yusuke Endoh) wrote:

Sorry, but postponing it to 2.1.0.

I believe that Luis can work around the issue,

Sorry, but as I mentioned in this, the change to default compile debug symbols is a bug and a regression.

Revisions in 1.9.3 prior 194 didn't suffer this.

Ruby 2.0.0 release will suffer by this too due r34840

Debug symbols shouldn't be generated by default unless requested by the user compiling the package. This is the same as adding -Werror, shouldn't be done by default.

While I personally can work around this issue, not everybody is aware that Ruby's default compile behavior is include debug information.

Please review this decision.

Thank you.

**#4 - 02/18/2013 10:23 PM - mame (Yusuke Endoh)**

Can you create a patch and get "ok" from nobu or any reliable person?

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

**#5 - 02/18/2013 11:27 PM - ko1 (Koichi Sasada)**

- Target version changed from 2.1.0 to 2.0.0

**#6 - 02/18/2013 11:39 PM - mame (Yusuke Endoh)**

I don't think that this is a showstopper; it actually works.

But if trunk can be fixed soon by an assured patch, I'm not against backporting it.

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

**#7 - 02/20/2013 04:27 PM - mame (Yusuke Endoh)**

- Target version changed from 2.0.0 to 2.6

**#8 - 07/08/2013 10:20 AM - luislavena (Luis Lavena)**

- Priority changed from Normal to 5

- Target version changed from 2.6 to 2.1.0

nobu: ping?

I'm still suffering this and is affecting developers cross-compiling gems in Linux targetting Windows, at it generates binary extensions of 6MB in size due the debug symbols.

-ggdb3 shouldn't be set for debugflags unless indicated.

Perhps adding a --enable-debug option to configure?

Thank you

**#9 - 01/30/2014 06:16 AM - hsbt (Hiroshi SHIBATA)**

- Target version changed from 2.1.0 to 2.2.0

**#10 - 01/05/2018 09:00 PM - naruse (Yui NARUSE)**

- Target version deleted (2.2.0)