

Ruby trunk - Bug #7606

gcc -pie configure check is broken for OpenBSD/amd64

12/23/2012 10:48 AM - kernigh (George Koehler)

Status:	Closed	
Priority:	Normal	
Assignee:	kosaki (Motohiro KOSAKI)	
Target version:	2.0.0	
ruby -v:	ruby 2.0.0dev (2012-12-23 trunk 38563) [x86_64-openbsd5.2]	Backport:
Description		
<pre>=begin I can use PIE if I compile with gcc -fPIE and link with gcc -pie. Ruby's configure script tries to enable PIE, but the check for gcc -pie says "no". I expected "yes". My system runs OpenBSD 5.2 for amd64. My compiler is the default gcc 4.2.1. The problem is it forgot to use -fPIE when checking -pie. Here is the relevant part of config.log: configure:17900: checking whether -pie is accepted as LDFLAGS configure:17922: gcc -o conftest -O3 -fno-fast-math -ggdb3 -ansi -std=iso9899:199409 -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 -I/usr/local/include -L/usr/local/lib -fstack-protector -WI,-E -pie conftest.c -pthread -lm >&5 /usr/bin/ld: /tmp//ccYa9wrA.o: relocation R_X86_64_32 can not be used when making a shared object; recompile with -fPIC /tmp//ccYa9wrA.o: could not read symbols: Bad value collect2: ld returned 1 exit status I am attaching a patch (pie-check.diff) to solve this problem. I use -fPIE during the check for gcc -pie. I also add -fPIE to XCFLAGS only when adding -pie (or -WI,-pie) to XLDFLAGS. With this patch, the check says "yes" and I see -pie in XLDFLAGS. =end</pre>		

Associated revisions

Revision 495f72ed - 12/26/2012 03:00 AM - kosaki (Motohiro KOSAKI)

- configure.in: enable -fPIE when checking -pie for fixing OpenBSD build error. Patch by George Koehler. Thank you! [Bug #7606] [ruby-core:51082]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38619 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38619 - 12/26/2012 03:00 AM - kosaki (Motohiro KOSAKI)

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History

#1 - 12/26/2012 11:43 AM - kosaki (Motohiro KOSAKI)

- *Category set to build*
- *Status changed from Open to Assigned*
- *Assignee set to kosaki (Motohiro KOSAKI)*
- *Priority changed from 3 to 5*
- *Target version set to 2.0.0*

I don't think OpenBSD support is low priority.

#2 - 12/26/2012 12:00 PM - kosaki (Motohiro KOSAKI)

- *Status changed from Assigned to Closed*
- *% Done changed from 0 to 100*

This issue was solved with changeset [r38619](#).
George, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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- `configure.in: enable -fPIE when checking -pie for fixing OpenBSD build error. Patch by George Koehler. Thank you! [Bug #7606]`
[ruby-core:51082]

Files

config.log	789 KB	12/23/2012	kernigh (George Koehler)
pie-check.diff	815 Bytes	12/23/2012	kernigh (George Koehler)