

Ruby - Bug #14440

--jit does not work by default on OpenBSD due to use of gcc instead of clang

02/04/2018 04:44 PM - jeremyevans0 (Jeremy Evans)

Status:	Closed	
Priority:	Normal	
Assignee:	k0kubun (Takashi Kokubun)	
Target version:		
ruby -v:	ruby 2.6.0dev (2018-02-05 trunk 62211) [x86_64-openbsd]	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description On OpenBSD, when using just --jit, ruby issues a warning message to \$stderr: <pre>\$ ruby --jit -e 'p 1' .ext/include/x86_64-openbsd/rb_mjit_min_header-2.6.0.h:2924: error: wrong number of arguments specified for '__deprecated__' attribute compilation terminated due to -Wfatal-errors. 1</pre> This is probably because MJIT doesn't work on old versions of GCC: <pre>\$ gcc -v Reading specs from /usr/lib/gcc-lib/amd64-unknown-openbsd6.2/4.2.1/specs Target: amd64-unknown-openbsd6.2 Configured with: OpenBSD/amd64 system compiler Thread model: posix gcc version 4.2.1 20070719</pre> When using --jit --jit-cc=clang, there are no problems: <pre>\$ ruby --jit --jit-cc=clang -e 'p 1' 1</pre> Either --jit should be made to work with older GCC versions, or older GCC versions should be skipped. It seems like for now, skipping older GCC versions would be easier.		

Associated revisions

Revision 827322569f6ddb790745e51f51ab25d2e2702de2 - 02/05/2018 12:57 PM - k0kubun (Takashi Kokubun)

mjit.c: prefer using --jit-cc=clang if **clang**

is defined. This is basically for OpenBSD.

Failure on using the compiler which is not used for Ruby compilation is not supported.

[Bug #14440]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62230 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 82732256 - 02/05/2018 12:57 PM - k0kubun (Takashi Kokubun)

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History

#1 - 02/04/2018 06:26 PM - shevegen (Robert A. Heiler)

Agreed. May be simpler to just notify the user which GCC versions are currently supported; and if it works the modern GCC, one can look to see that older GCC versions could also use `--jit`.

#2 - 02/05/2018 01:30 AM - k0kubun (Takashi Kokubun)

Whether is the ruby compiled from gcc or clang? A known issue is that using MJIT header generated from different compiler may not work. So I may drop selecting cc in the future.

If the ruby is built from the old gcc and broken with `--jit-cc=gcc`, we need to fix it.

#3 - 02/05/2018 04:40 AM - jeremyevans0 (Jeremy Evans)

k0kubun (Takashi Kokubun) wrote:

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If the ruby is built from the old gcc and broken with `--jit-cc=gcc`, we need to fix it.

clang is the system compiler on OpenBSD on the most common architectures. So it sounds like `--jit` should use clang by default in that case, since that is what is used to compile ruby itself.

#4 - 02/05/2018 12:50 PM - k0kubun (Takashi Kokubun)

- Assignee set to k0kubun (Takashi Kokubun)

#5 - 02/05/2018 12:57 PM - k0kubun (Takashi Kokubun)

- Status changed from Open to Closed

Applied in changeset trunk|r62230.

`mjit.c`: prefer using `--jit-cc=clang` if **clang**

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