

Ruby trunk - Bug #14200

addr2line.c compile error with C89 compilers on Solaris 10

12/18/2017 03:40 PM - ngoto (Naohisa Goto)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		Backport: 2.3: UNKNOWN, 2.4: UNKNOWN
Description		
<pre>r60841 addr2line.c stdbool.h stdbool.h C99 C89 Solaris 10 Solaris C </pre>		
<pre>cc -errtags=yes -xO4 -xtarget=sparc64xplus -m64 -DRUBY_DEVEL=1 -DRUBY_EXPORT -I/usr/local/64/lib/ libffi-3.0.10/include -I/usr/local/64/include -D_XOPEN_SOURCE=500 -I. -I.ext/include/sparc64-so laris2.10 -I./include -I. -I./enc/unicode/10.0.0 -o addr2line.o -c addr2line.c "/usr/include/stdbool.h", line 42: #error: "Use of <stdbool.h> is valid only in a c99 compilation environment." cc: acomp failed for addr2line.c make: *** [addr2line.o] Error 2 </pre>		
<pre>Solaris 10 Oracle Solaris Studio 12.4 gcc Fujitsu C Compiler </pre>		
<pre>Solaris10 C99 C99 _XOPEN_SOURCE </pre>		
Related issues:		
Related to Ruby trunk - Misc #15347: Require C99		Closed

Associated revisions

Revision b75828fd - 12/18/2017 04:17 PM - ngoto (Naohisa Goto)

Support C89 if possible

- addr2line.c: Because stdbool.h is a C99 feature, compile error occurs with some old compilers without specifying C99 options. Fix compile error with Oracle Solaris Studio 12.4 on Solaris 10. [Bug #14200] [ruby-dev:50366]
- missing/stdbool.h: Alternative of stdbool.h for C89 compilers.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@61326 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 61326 - 12/18/2017 04:17 PM - ngoto (Naohisa Goto)

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History

#1 - 12/18/2017 04:17 PM - ngoto (Naohisa Goto)

- Status changed from Open to Closed

Applied in changeset [trunk|r61326](#).

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#2 - 11/28/2018 12:36 PM - k0kubun (Takashi Kokubun)

```

_C99_SOURCE
_XOPEN_SOURCE

```

[ngoto \(Naohisa Goto\)](#) [Misc #15347] `_C99_SOURCE` `_XOPEN_SOURCE` Soraris 11 10 9

#3 - 11/29/2018 03:12 PM - ngoto (Naohisa Goto)

Soraris 11 10 9

Solaris 9

Solaris 10/11 Oracle Developer Studio Oracle Solaris Studio Sun Studio 12 C99

```

12.3 -xc99=all,no_lib C90 C99 12.4 C11 -std=c11 C11
-xc99=all,no_lib

```

Fujitsu C Compiler (fcc) 5.6 C90 c99
 C99 2016 3

```

_XOPEN_SOURCE Ruby ./configure Oracle Solaris Studio 12.4
-D_XOPEN_SOURCE=500 Oracle Developer Studio 12.5 -D_XOPEN_SOURCE=600 ./configure

```

-D_XOPEN_SOURCE=600 [SUSv3] C99 [D_XOPEN_SOURCE=500 [SUSv2] C90

Ruby [XOPEN_SOURCE define C99 Solaris 10, 11 Oracle Developer Studio 12 Fujitsu C Compiler (fcc) gcc C90 configure CC=c99

#4 - 11/29/2018 03:50 PM - ngoto (Naohisa Goto)

r63571 isnan Ruby

#5 - 11/29/2018 03:58 PM - k0kubun (Takashi Kokubun)

C99 Solaris 10, 11

- Oracle Developer Studio 12 configure
Fujitsu C Compiler (fcc) C99 configure CC=c99
gcc C90 configure C99

-xc99=all,no_lib (mswin vs12) Ruby 2.7 [Misc #15347]

r63571 isnan

#6 - 12/05/2018 02:27 PM - k0kubun (Takashi Kokubun)

- Related to Misc #15347: Require C99 added

#7 - 01/06/2019 01:38 PM - k0kubun (Takashi Kokubun)

https://github.com/ruby/ruby/pull/2064 stdbool.h Oracle Solaris Studio 12.4 (r61326) stdbool.h

Oracle Solaris Studio 12.4

https://docs.oracle.com/cd/E57200_01/html/E57228/cc-1.html

c11 ANSI C11 C 2 -std

-Xc -Xa -Xt -xtransition -std -xc99=all,no_lib -Xs -xc99=none -xc99 -std -xc99

(-std=c11) -Xc -Xa -Xt -xtransition -xc99=all,no_lib -Xs -xc99=none

r66605 AC_PROG_CC_C99 configure stdbool.h -xc99=all r61326

Oracle Solaris Studio 12.3

https://docs.oracle.com/cd/E19205-01/821-2496/bjate/index.html

-xc99 -xc99=all,no_lib -xc99 -xc99=all

stdbool.h AC_PROG_CC_C99 -xc99=all configure stdbool.h

#8 - 01/06/2019 02:17 PM - k0kubun (Takashi Kokubun)

https://github.com/ruby/ruby/pull/2064 stdbool.h Sun Studio 11
https://docs.oracle.com/cd/E19422-01/819-4764/819-4764.pdf
https://docs.oracle.com/cd/E27069_01/html/E26448/gkeza.html
stdbool.h 12.3 12.4 -xc99=all stdbool.h 12.2 r61326 missing/stdbool.h