Bug #15519
addr2line compile error on RHEL7
01/09/2019 04:16 PM - vo.x (Vit Ondruch)

Status: Closed
Priority: Normal
Assignee:
Target version:
ruby -v: ruby 2.6.0p0 (2018-12-25 revision 66547) [x86_64-linux]
Backport: 2.4: DONTNEED, 2.5: DONTNEED, 2.6: DONE

Description
I am observing following compilation:

```
```

```
addr2line.c: In function 'di_find_abbrev':
addr2line.c:1210:5: error: 'for' loop initial declarations are only allowed in C99 mode
for (uint64_t n = uleb128(&p); abbrev_number != n; n = uleb128(&p)) {
^
```

```
addr2line.c:1210:5: note: use option -std=c99 or -std=gnu99 to compile your code
addr2line.c: In function 'debug_info_read':
addr2line.c:1558:9: error: 'for' loop initial declarations are only allowed in C99 mode
for (int i=offset; i < num_traces; i++) {
^
```

This happens on RHEL7 with following compiler:

```
$ rpm -q gcc
gcc-4.8.5-16.el7_4.3.x86_64
```

This was probably introduced by r65077. It should be fixed IMO, unless #15347 is accepted.

Related issues:
Related to Ruby master - Misc #15347: Require C99
Closed

Associated revisions
Revision 671ef4e9 - 01/10/2019 12:36 AM - nobu (Nobuyoshi Nakada)
Get rid of C99 feature for now [ruby-core:90949] [Bug #15519]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@66768 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 66768 - 01/10/2019 12:36 AM - nobu (Nobuyoshi Nakada)
Get rid of C99 feature for now [ruby-core:90949] [Bug #15519]

Revision d3aa6514 - 01/12/2019 09:04 PM - naruse (Yui NARUSE)
merge revision(s) 66768: [Backport #15519]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@66800 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 66800 - 01/12/2019 09:04 PM - naruse (Yui NARUSE)
merge revision(s) 66768: [Backport #15519]
Get rid of C99 feature for now [ruby-core:90949] [Bug #15519]
Get rid of C99 feature for now [ruby-core:90949] [Bug #15519]

#4 - 01/10/2019 12:51 AM - k0kubun (Takashi Kokubun)
I agree r66768 should be backported to 2.6 to fix it safely. But at the same time,

   It should be fixed IMO, unless #15347 is accepted.

I think the build error should be fixed regardless of #15347 acceptance. Due to r66605, I believe trunk works on the same environment without r66768, as it's just saying "use option -std=c99 or -std=gnu99 to compile your code".

vo.x (Vit Ondruch) Could you double-check r66767 (or any commit after r66605 and before r66768) can be built on your environment?

#5 - 01/10/2019 01:05 AM - k0kubun (Takashi Kokubun)
If it doesn't work, please upload the full command logs of ./configure and make (on the slightly older trunk, r66767 as said above), or at least configure flags and CFLAGS if you don't want to show a full output.

#6 - 01/12/2019 09:04 PM - naruse (Yui NARUSE)
- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: REQUIRED to 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: DONE

ruby_2_6 r66800 merged revision(s) 66768.

#7 - 04/30/2019 08:35 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: DONE to 2.4: DONTNEED, 2.5: DONTNEED, 2.6: DONE