

Ruby - Bug #18820

on aarch64/Android/Termux/Ubuntu jammy server, ALL versions before Ruby 3.1.x don't compile!

06/08/2022 04:50 AM - libweirdness (Antryg Revok)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.0.2p107 (2021-07-07 revision 0db68f0233) [aarch64-linux-gnu]	Backport: 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN

Description

btw, this is a frustrating bug-reporting system to report a bug in?
so if I've reported it in the wrong place,
just delete my report.

My learning-programming environment is within a tablet,
so
aarch64 / Android 11 (originally 10 or 9, iirc)
then Termux in that,
then Ubuntu Server jammy aka 22.04 LTS
then I get that set up, create a reg user to live in,
then I tried using "rbenv"
to get the same Ruby as my textbook
"Well Grounded Rubyist, 3rd edition",
which is a 2.5.x variant

(I wasted *months* trying
to learn Haskell with old books,
and the language simply doesn't work the same,
in newer tools,
ie do what the textbook told you to do,
and get *nowhere*.

I'm *not* interested in such
grinding demotivation within learning Ruby, too,
see?)

So, after trying the apt install rbenv
and then
rbenv install 2.5.8, then 2.5.7, then 2.5.6...

I wrongly believed that the problem was in rbenv.

So, I ripped that apt installed version out
& failed to install Homebrew,
which doesn't even try to work,
for people who are in ARM based machines.

then tried installing the *git* version of rbenv.

Then I tried a script that did

rbenv install \$i
on these versions:

2.5.9	
2.6.10	2.7.6
3.0.4	3.1.2

ALL of them, except for the last, failed.

viewing the 2.5.9 stderr in vim, copy-paste gives you:

Downloading ruby-2.5.9.tar.bz2...

```
2 -> https://cache.ruby-lang.org/pub/ruby/2.5/ruby-2.5.9.tar.bz2
3 Installing ruby-2.5.9...
4
5 WARNING: ruby-2.5.9 is past its end of life and is now unsupported.
6 It no longer receives bug fixes or critical security updates.
7
8
9 BUILD FAILED (Ubuntu 22.04 using ruby-build 20220426-3-g1038c07)
10
11 Inspect or clean up the working tree at /tmp/ruby-build.20220607213721.9846.fZCTZz
12 Results logged to /tmp/ruby-build.20220607213721.9846.log
13
14 Last 10 log lines:
15 ccl: note: unrecognized command-line option '-Wno-self-assign' may have been intended to silen
c   e earlier diagnostics
16 ccl: note: unrecognized command-line option '-Wno-constant-logical-operand' may have been in
ten   ded to silence earlier diagnostics
17 ccl: note: unrecognized command-line option '-Wno-parentheses-equality' may have been inte
nded   to silence earlier diagnostics
18 ccl: note: unrecognized command-line option '-Wno-self-assign' may have been intended to silenc
e   e earlier diagnostics
19 ccl: note: unrecognized command-line option '-Wno-constant-logical-operand' may have b
een inten   ded to silence earlier diagnostics
20 ccl: note: unrecognized command-line option '-Wno-parentheses-equality' may have bee
n intended   to silence earlier diagnostics
21 linking shared-object socket.so
22 make[2]: Leaving directory '/tmp/ruby-build.20220607213721.9846.fZCTZz/ruby-2.5.9/ext/socket'
23 make[1]: Leaving directory '/tmp/ruby-build.20220607213721.9846.fZCTZz/ruby-2.5.9'
24 make: *** [uncommon.mk:240: build-ext] Error 2
```

2.6.10 gives:

Downloading ruby-2.6.10.tar.bz2...

2

```
-> https://cache.ruby-lang.org/pub/ruby/2.6/ruby-2.6.10.tar.bz2
3 Installing ruby-2.6.10...
4
5 BUILD FAILED (Ubuntu 22.04 using ruby-build 20220426-3-g1038c07)
6
7 Inspect or clean up the working tree at /tmp/ruby-build.20220607215706.16321.hja12y
8 Results logged to /tmp/ruby-build.20220607215706.16321.log
9
10 Last 10 log lines:
11 ccl: note: unrecognized command-line option '-Wno-parentheses-equality' may have been intended
to silence earlier diagnostics
12 ccl: note: unrecognized command-line option '-Wno-constant-logical-operand' may have been inte
n   ded to silence earlier diagnostics
13 make[2]: Leaving directory '/tmp/ruby-build.20220607215706.16321.hja12y/ruby-2.6.10/ext/date'
14 ccl: note: unrecognized command-line option '-Wno-self-assign' may have been intended to sile
nc   e earlier diagnostics
15 ccl: note: unrecognized command-line option '-Wno-parentheses-equality' may have been inten
ded   to silence earlier diagnostics
16 ccl: note: unrecognized command-line option '-Wno-constant-logical-operand' may have been
inten   ded to silence earlier diagnostics
17 linking shared-object socket.so
18 make[2]: Leaving directory '/tmp/ruby-build.20220607215706.16321.hja12y/ruby-2.6.10/ext/socket'
19 make[1]: Leaving directory '/tmp/ruby-build.20220607215706.16321.hja12y/ruby-2.6.10'
20 make: *** [uncommon.mk:286: build-ext] Error 2
```

2.7.6 gives:

Downloading ruby-2.7.6.tar.bz2...

```
2 -> https://cache.ruby-lang.org/pub/ruby/2.7/ruby-2.7.6.tar.bz2
3 Installing ruby-2.7.6...
4
5 BUILD FAILED (Ubuntu 22.04 using ruby-build 20220426-3-g1038c07)
6
```

```
7 Inspect or clean up the working tree at /tmp/ruby-build.20220607221808.26955.YM2p7g
8 Results logged to /tmp/ruby-build.20220607221808.26955.log
9
10 Last 10 log lines:
11   from ./tool/rbinstall.rb:846:in `block (2 levels) in install_default_gem'
12   from ./tool/rbinstall.rb:279:in `open_for_install'
13   from ./tool/rbinstall.rb:845:in `block in install_default_gem'
14   from ./tool/rbinstall.rb:835:in `each'
15   from ./tool/rbinstall.rb:835:in `install_default_gem'
16   from ./tool/rbinstall.rb:799:in `block in <main>'
17   from ./tool/rbinstall.rb:950:in `block in <main>'
18   from ./tool/rbinstall.rb:947:in `each'
19   from ./tool/rbinstall.rb:947:in `<main>'
20 make: *** [uncommon.mk:373: do-install-all] Error 1
```

3.0.4 gives:

Downloading ruby-3.0.4.tar.gz...

```
2 -> https://cache.ruby-lang.org/pub/ruby/3.0/ruby-3.0.4.tar.gz
3 Installing ruby-3.0.4...
4
5 BUILD FAILED (Ubuntu 22.04 using ruby-build 20220426-3-g1038c07)
6
7 Inspect or clean up the working tree at /tmp/ruby-build.20220607224439.22472.y5B6b1
8 Results logged to /tmp/ruby-build.20220607224439.22472.log
9
10 Last 10 log lines:
11 installing bundled gem cache:      /home/agrevok/.rbenv/versions/3.0.4/lib/ruby/gems/3.0.0/cache
12 The Ruby openssl extension was not compiled.
13 ERROR: Ruby install aborted due to missing extensions
14 Try running `apt-get install -y libssl-dev` to fetch missing dependencies.
15
16 Configure options used:
17   --prefix=/home/agrevok/.rbenv/versions/3.0.4
18   --enable-shared
19   LDFLAGS=-L/home/agrevok/.rbenv/versions/3.0.4/lib
20   CPPFLAGS=-I/home/agrevok/.rbenv/versions/3.0.4/include
```

and 3.1.2 didn't fail.

gcc is:

gcc (Ubuntu 11.2.0-19ubuntu1) 11.2.0

I have clang-13 installed

(trying to get Haskell's GHCup & cabal system to work,
& failing in that, too)

I'm hoping that this info enables the ruby-build system
to be made to work, hopefully without bother.

Logfiles for those 4 failed builds are included below.

the ruby -v listed below is with the Ubuntu jammy apt installed one:

I haven't yet tried to switch between the 2 that *apparently* work on this machine, with rbenv.

Maybe tmr.

Salut, Namaste, & Kaizen

Related issues:

Is duplicate of Ruby - Bug #18658: Need openssl 3 support for Ubuntu 22.04 (R...

Rejected

History

#1 - 06/08/2022 05:00 AM - hsbt (Hiroshi SHIBATA)

- Is duplicate of Bug #18658: Need openssl 3 support for Ubuntu 22.04 (Ruby 2.7.x and 3.0.x) added

#2 - 06/08/2022 05:00 AM - hsb (Hiroshi SHIBATA)

- Status changed from Open to Closed

#3 - 06/08/2022 07:23 PM - libweirdness (Antryg Revok)

the 2.5.x build-failure was due to all warnings being converted to errors, and some screwy casting (between types).

it looked to me like the reasons were different for different versions.

#4 - 06/21/2022 11:53 AM - nobu (Nobuyoshi Nakada)

The failure of 2.5.9 is here: <https://bugs.ruby-lang.org/attachments/9280#L1851>

```
ossl.c:311:9: error: 'ERR_get_error_line_data' is deprecated: Since OpenSSL 3.0 [-Werror=deprecated-declarations]
  311 |         while ((e = ERR_get_error_line_data(&file, &line, &data, &flags))) {
      |               ^~~~~
```

That is an OpenSSL 3.0 issue.

Files

ruby-build.20220607215706.16321.log	91 KB	06/08/2022	libweirdness (Antryg Revok)
ruby-build.20220607213721.9846.log	97.5 KB	06/08/2022	libweirdness (Antryg Revok)
ruby-build.20220607221808.26955.log	182 KB	06/08/2022	libweirdness (Antryg Revok)
ruby-build.20220607224439.22472.log	219 KB	06/08/2022	libweirdness (Antryg Revok)