

Ruby - Bug #13509

Ruby 2.4.1 Fails to Compile on Raspberry Pi 3, Raspbian

04/26/2017 05:45 AM - martin_vahi (Martin Vahi)

Status:	Third Party's Issue	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	2.4.1	Backport: 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN
Description		
The console session:		
<pre>mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ uname -a Linux acstorage3334 4.4.50-v7+ #970 SMP Mon Feb 20 19:18:29 GMT 2017 armv7l GNU/Linux mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ echo \$CC gcc mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ echo \$XX mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ which gcc /usr/bin/gcc mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ which g++ /usr/bin/g++ mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ gcc -v Using built-in specs. COLLECT_GCC=gcc COLLECT_LTO_WRAPPER=/usr/lib/gcc/arm-linux-gnueabi/hf/4.9/lto-wrapper Target: arm-linux-gnueabi/hf Configured with: ../src/configure -v --with-pkgversion='Raspbian 4.9.2-10' --with-bugurl=file:///usr/share/doc/gcc-4.9/README.Bugs --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --prefix=/usr --program-suffix=-4.9 --enable-shared --enable-linker-build-id --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix --with-gxx-include-dir=/usr/include/c++/4.9 --libdir=/usr/lib --enable-nls --with-sysroot=/ --enable-clocale=gnu --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-gnu-unique-object --disable-libitm --disable-libquadmath --enable-plugin --with-system-zlib --disable-browser-plugin --enable-java-awt=gtk --enable-gtk-cairo --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-4.9-armhf/jre --enable-java-home --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-4.9-armhf --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.9-armhf --with-arch-directory=arm --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --enable-objc-gc --enable-multiarch --disable-sjlj-exceptions --with-arch=armv6 --with-fpu=vfp --with-float=hard --enable-checking=release --build=arm-linux-gnueabi/hf --host=arm-linux-gnueabi/hf --target=arm-linux-gnueabi/hf Thread model: posix gcc version 4.9.2 (Raspbian 4.9.2-10) mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$ g++ -v Using built-in specs. COLLECT_GCC=g++ COLLECT_LTO_WRAPPER=/usr/lib/gcc/arm-linux-gnueabi/hf/4.9/lto-wrapper Target: arm-linux-gnueabi/hf Configured with: ../src/configure -v --with-pkgversion='Raspbian 4.9.2-10' --with-bugurl=file:///usr/share/doc/gcc-4.9/README.Bugs --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --prefix=/usr --program-suffix=-4.9 --enable-shared --enable-linker-build-id --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix --with-gxx-include-dir=/usr/include/c++/4.9 --libdir=/usr/lib --enable-nls --with-sysroot=/ --enable-clocale=gnu --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-gnu-unique-object --disable-libitm --disable-libquadmath --enable-plugin --with-system-zlib --disable-browser-plugin --enable-java-awt=gtk --enable-gtk-cairo --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-4.9-armhf/jre --enable-java-home --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-4.9-armhf --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.9-armhf --with-arch-directory=arm --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --enable-objc-gc --enable-multiarch --disable-sjlj-exceptions --with-arch=armv6 --with-fpu=vfp --with-float=hard --enable-checking=release --build=arm-linux-gnueabi/hf --host=arm-linux-gnueabi/hf --target=arm-linux-gnueabi/hf Thread model: posix gcc version 4.9.2 (Raspbian 4.9.2-10) mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 \$./configu</pre>		

```

re --prefix=/home/mmmv_applications_set_01/applications/Ruby/v_2_4_1 --with-jemalloc --enable-mul
tiarch --enable-shared
checking for ruby... /usr/bin/ruby
config.guess already exists
config.sub already exists
checking build system type... armv7l-unknown-linux-gnueabi
checking host system type... armv7l-unknown-linux-gnueabi
checking target system type... armv7l-unknown-linux-gnueabi
checking whether the C compiler works... *** Error in `gcc': double free or corruption (top): 0x00
a15620 ***
no
configure: error: in `/home/mmmv_applications_set_01/applications/Ruby/originals/kompil/ruby-2.4.1
':
configure: error: C compiler cannot create executables
See `config.log' for more details
mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 $ which rub
y
/usr/bin/ruby
mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 $ ruby --ve
rsion
ruby 2.1.5p273 (2014-11-13) [arm-linux-gnueabi]
mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 $ date
Wed Apr 26 08:35:21 EEST 2017
mmmvmv_applications_set_01@acstorage3334:~/applications/Ruby/originals/kompil/ruby-2.4.1 $

```

History

#1 - 04/26/2017 05:55 AM - martin_vahi (Martin Vahi)

- File *config.log* added

If the CXX=="clang++" and CC=="clang", then the configure step completes.

#2 - 04/26/2017 06:00 AM - martin_vahi (Martin Vahi)

- File *2017_04_26_BUG_Ruby_v_2_4_1_Fails_2_Compile_on_Raspberry_Pi_3_LLVM_session.txt* added

The LLVM based console session, where the configure step completes, but make step fails.

#3 - 04/26/2017 06:02 AM - martin_vahi (Martin Vahi)

- File *config.log.with_LLVM.txt* added

#4 - 04/26/2017 06:07 AM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Third Party's Issue

```
configure: error: C compiler cannot create executables
```

It's your compiler who's dying. Report this to Raspbian.

#5 - 04/26/2017 06:10 AM - martin_vahi (Martin Vahi)

shyouhei (Shyouhei Urabe) wrote:

```
configure: error: C compiler cannot create executables
```

It's your compiler who's dying. Report this to Raspbian.

Does that also apply to the LLVM based session that does not have such an error message?

#6 - 04/26/2017 12:02 PM - martin_vahi (Martin Vahi)

It does seem to be able to compile with GCC, if the CFLAGS==" and

```
./configure --prefix=/home/mmmv_applications_set_01/applications/Ruby/v_2_4_1 --enable-shared --enable-load-relative --enable-multiarch --disable-install-doc --disable-install-rdoc
```

Previously
CFLAGS==" -mtune=native -ftree-vectorize "

#7 - 04/27/2017 03:12 PM - martin_vahi (Martin Vahi)
- Status changed from Third Party's Issue to Closed

It seems that the problem was the CFLAGS value

```
-mtune=native
```

which also caused the build of other applications to fail.
I'll try to report it to Raspbian.

I'm sorry for making this noise here.

#8 - 04/30/2017 01:10 PM - usa (Usaku NAKAMURA)
- Status changed from Closed to Third Party's Issue

Files

2017_04_26_BUG_Ruby_v_2_4_1_Fails_2_Compile_on_Raspberry_Pi_681KB	04/26/2017	martin_vahi (Martin Vahi)
config.log	12.2 KB	martin_vahi (Martin Vahi)
2017_04_26_BUG_Ruby_v_2_4_1_Fails_2_Compile_on_Raspberry_Pi_39.7 KB	04/26/2017	martin_vahi (Martin Vahi)
config.log.with_LLVM.txt	1.1 MB	martin_vahi (Martin Vahi)