

Ruby trunk - Bug #7227

failed to build native extension for bcrypt-ruby gem under cygwin on windows xp

10/28/2012 01:51 PM - apolishch (Abraham Polishchuk)

Status:	Rejected	
Priority:	Normal	
Assignee:	tenderlovmaking (Aaron Patterson)	
Target version:	2.6	
ruby -v:	1.9.3-p286	Backport:
Description		
<p>I am setting up a testing agent on Windows XP for a Rails App. This question was posted by me on Stackoverflow, where, members of the community suggested that this was in fact a Ruby Bug I should report here. For consistency purposes, the original StackOverflow Post can be found here: http://stackoverflow.com/questions/13057452/failed-to-build-native-extension-for-bcrypt-ruby-gem-under-cygwin-on-windows-xp</p> <p>To enforce consistency between Agents, I am installing it through Bundler with RVM with Cygwin.</p> <p>The following is the result of running bundle install in the project directory(EDIT: Note that running gem install bcrypt-ruby produces identical output):</p> <p>Gem::Installer::ExtensionBuildError: ERROR: Failed to build gem native extension.</p> <pre>/goBaltoEngineering/.rvm/rubies/ruby-1.9.3-p125/bin/ruby.exe extconf.rb</pre> <p>creating Makefile</p> <pre>make compiling bcrypt_ext.c compiling crypt.c compiling crypt_blowfish.c compiling crypt_gensalt.c compiling wrapper.c</pre> <p>In file included from wrapper.c:27:0: /goBaltoEngineering/.rvm/rubies/ruby-1.9.3-p125/include/ruby-1.9.1/ruby/backward/util.h:2:2: warning: #warning use "ruby/util.h" instead of bare "util.h" linking shared-object bcrypt_ext.so bcrypt_ext.o:bcrypt_ext.c:(.text+0x29): undefined reference to `_ruby_bcrypt' collect2: ld returned 1 exit status Makefile:207: recipe for target'bcrypt_ext.so' failed make: *** [bcrypt_ext.so] Error 1</p> <p>Gem files will remain installed in /goBaltoEngineering/.rvm/gems/ruby-1.9.3-p125@togo/gems/bcrypt-ruby-3.0.1 for inspection. Results logged to /goBaltoEngineering/.rvm/gems/ruby-1.9.3-p125@togo/gems/bcrypt-ruby-3.0.1/ext/mri/gem_make.out An error occurred while installing bcrypt-ruby (3.0.1), and Bundler cannot continue. Make sure that gem install bcrypt-ruby -v '3.0.1' succeeds before bundling. the cygwin gcc package is installed:</p> <pre>\$ whereis gcc gcc: /bin/gcc.exe /usr/bin/gcc.exe /lib/gcc /usr/lib/gcc /cygdrive/e/Cygwin/bin/gcc.exe /usr/share/man/man1/gcc.1.gz</pre> <pre>\$ gcc -v Using built-in specs. COLLECT_GCC=gcc COLLECT_LTO_WRAPPER=/usr/lib/gcc/i686-pc-cygwin/4.5.3/lto-wrapper.exe Target: i686-pc-cygwin Configured with: /gnu/gcc/releases/respins/4.5.3-3/gcc4-4.5.3-3/src/gcc-4.5.3/configure --srcdir=/gnu/gcc/releases/respins/4.5.3-3/gcc4-4.5.3-3/src/gcc-4.5.3 --prefix=/usr --exec-prefix=/usr --bindir=/usr/bin --sbindir=/usr/sbin --libexecdir=/usr/lib --datadir=/usr/share --localstatedir=/var --sysconfdir=/etc --datarootdir=/usr/share -- docdir=/usr/share/doc/gcc4 -C --datadir=/usr/share --infodir=/usr/share/info --mandir=/usr/share/man -v --with-gmp=/usr --with-mpfr=/usr --enable-bootstrap --enable-version-specific-runtime-libs --libexecdir=/usr/lib --enable-static --enable-shared --enable-shared-libgcc --disable-__cxa_atexit --with-gnu-ld --with-gnu-as --with-dwarf2 --disable-sjlj-exceptions --enable-languages=ada,c,c++,fortran,java,lto,objc,obj-c++ --enable-graphite --enable-lto --enable-java-awt=gtk --disable-symvers</pre>		

```
--enable-libjava --program-suffix=-4 --enable-libgomp --enable-libssp --enable-libada --enable-threads=posix --with-arch=i686
--with-tune=generic --enable-libgcj-sublibs CC=gcc-4 CXX=g++-4 CC_FOR_TARGET=gcc-4 CXX_FOR_TARGET=g++-4
GNATMAKE_FOR_TARGET=gnatmake GNATBIND_FOR_TARGET=gnatbind --with-ecj-jar=/usr/share/java/ecj.jar
```

Thread model: posix

gcc version 4.5.3 (GCC)

as is bcrypt:

```
$ whereis bcrypt
```

```
bcrypt: /bin/bcrypt.exe /usr/bin/bcrypt.exe /cygdrive/e/Cygwin/bin/bcrypt.exe /usr/share/man/man1/bcrypt.1.gz
```

```
bcrypt -v
```

```
bcrypt: unknown option -- v
```

```
Usage is: /bin/bcrypt [-orc][-sN] file1 file2..
```

```
-o Write output to standard out
```

```
-r Do NOT remove input files after processing
```

```
-c Do NOT compress files before encryption
```

```
-sN How many times to overwrite input files with random data
```

Results of further research:

Setting

```
rvm use system
```

(in my case 1.9.3-p286) allows bcrypt-ruby to install without incident

Installing 1.9.3-p286 through rvm and setting

```
rvm use 1.9.3-p286
```

Results in an identical (bar the ruby version) error message.

Installing on Mac OS X works without a hitch on numerous developer stations and several Mac Agents.

History

#1 - 11/05/2012 10:42 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

- Assignee set to tenderlovmaking (Aaron Patterson)

Aaron, are you one of bcrypt-ruby developers?

Do you know anything about this issue?

Looks related to: <https://github.com/codahale/bcrypt-ruby/issues/46>

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Yusuke Endoh mame@tsg.ne.jp

#2 - 02/26/2013 10:19 AM - naruse (Yui NARUSE)

- Target version changed from 1.9.3 to 2.6

#3 - 07/10/2013 02:55 AM - tenderlovmaking (Aaron Patterson)

- Status changed from Assigned to Rejected

Looks like Aman fixed this in the bcrypt repository. It is not a bug in MRI, but a problem with the bcrypt-ruby extension.