

Ruby - Bug #7828

invalid glibcver in test_m17n_comb.rb:test_str_crypt fails 2.17 system

02/12/2013 04:31 AM - jonforums (Jon Forums)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:		
Target version:	2.0.0	
ruby -v:	ruby 2.0.0dev (2013-02-12 trunk 39207) [i686-linux]	

Description

On my Arch 3.7.6 32bit system with a 2.17 libc, the following line in test_m17n_comb.rb:test_str_crypt causes the test to fail

```
glibcver = #{RbConfig::CONFIG["libdir"]}/libc.so.6[/^AGNU C Library.*version ([0-9.]+)/, 1].split('.').map(&:to_i)
```

because libc.so.6 doesn't exist in RbConfig::CONFIG["libdir"]. As such, invalid salt values aren't skipped and String#crypt fails due to an invalid "_" (underscore underscore) salt value.

Details of the failure are shown below (ignore the line numbers as I instrumented the test), but the following are the libc locations for my systems of interest:

Ubuntu Server 12.10 32bit:
/lib/i386-linux-gnu/libc.so.6 (v2.15)

Arch 3.7.6 32bit:
/usr/lib/libc.so.6 (v2.17)

Ubuntu Server 12.10 64bit:
/lib/x86_64-linux-gnu/libc.so.6 (v2.15)

Failure details

```
[jon@archee build]$ uname -a
Linux archee 3.7.6-1-ARCH #1 SMP PREEMPT Mon Feb 4 10:21:12 CET 2013 i686 GNU/Linux

[jon@archee build]$ /usr/lib/libc.so.6 | head -1
GNU C Library (GNU libc) stable release version 2.17, by Roland McGrath et al.

[jon@archee build]$ ruby -rrbconfig -v -e 'puts RbConfig::CONFIG["libdir"]'
ruby 2.0.0dev (2013-02-12 trunk 39207) [i686-linux]
/usr/local/lib

[jon@archee build]$ make test-all TESTS="ruby/test_m17n_comb.rb"
CC = gcc
LD = ld
LD_SHARED = gcc -shared
CFLAGS = -O3 -fno-fast-math -ggdb3 -Wall -Wextra -Wno-unused-parameter -Wno-parentheses -Wno-long-long
-Wno-missing-field-initializers -Wunused-variable -Werror=pointer-arith -Werror=write-strings -Werror=declaration-after-statement
-Werror=implicit-function-declaration -ansi -std=iso9899:199409 -fPIC
XCFLAGS = -include ruby/config.h -include ruby/missing.h -D_FORTIFY_SOURCE=2 -fstack-protector -fno-strict-overflow
-fvisibility=hidden -DRUBY_EXPORT
CPPFLAGS = -I. -I.ext/include/i686-linux -I../include -I..
DLDFLAGS = -Wl,-soname,libruby.so.2.0 -fstack-protector
SOLIBS = -lpthread -lrt -ldl -lcrypt -lm
./miniruby -I../lib -I. -I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems ../test/runner.rb --ruby=../miniruby -I../lib -I.
-I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems ruby/test_m17n_comb.rb
Run options: "--ruby=../miniruby -I../lib -I. -I.ext/common ../tool/runruby.rb --extout=.ext -- --disable-gems"
```

Running tests:

[27/77] TestM17NComb#test_str_crypt

```
RbConfig::CONFIG['libdir'] = /usr/local/lib
glibcver = , strict_crypt =
salt_orig = jj, salt_orig.length = 1
salt = jj, salt.length = 2
= 0.01 s

1. Error:
test_str_crypt(TestM17NComb):
Errno::EINVAL: Invalid argument - crypt
/home/jon/rubydev/ruby-svn/test/ruby/test_m17n_comb.rb:744:in crypt'
/home/jon/rubydev/ruby-svn/test/ruby/test_m17n_comb.rb:744:in block in test_str_crypt'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:83:in block in each' /home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:75:in
block in each_index'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:46:in block in make_large_block'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:26:in block (2 levels) in make_basic_block'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:21:in times' /home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:21:in block in
make_basic_block'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:20:in times' /home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:20:in
make_basic_block'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:45:in make_large_block'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:71:in each_index'
/home/jon/rubydev/ruby-svn/test/ruby/allpairs.rb:82:in each' /home/jon/rubydev/ruby-svn/test/ruby/test_m17n_comb.rb:60:in
combination'
/home/jon/rubydev/ruby-svn/test/ruby/test_m17n_comb.rb:730:in `test_str_crypt'

Finished tests in 7.171895s, 10.7364 tests/s, 29005.8640 assertions/s.
77 tests, 208027 assertions, 0 failures, 1 errors, 0 skips

ruby -v: ruby 2.0.0dev (2013-02-12 trunk 39207) [i686-linux]

[jon@archee build]$ ripl

".crypt('___')
Errno::EINVAL: Invalid argument - crypt
(ripl):2:in crypt' (ripl):2:in '
```

Associated revisions

Revision edacc7d236b87ab3a53a5812967a8fd75d61cd09 - 02/12/2013 03:18 AM - naruse (Yui NARUSE)

Get libc's path by ldd [Bug #7828] [ruby-core:52129]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39209 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision edacc7d2 - 02/12/2013 03:18 AM - naruse (Yui NARUSE)

Get libc's path by ldd [Bug #7828] [ruby-core:52129]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39209 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 4f05e726f6762535a4ff8d33e518ad6ca26e188a - 02/13/2013 06:35 AM - naruse (Yui NARUSE)

merge revision(s) 39209:

```
Get libc's path by ldd [Bug #7828] [ruby-core:52129]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39216 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 4f05e726 - 02/13/2013 06:35 AM - naruse (Yui NARUSE)

merge revision(s) 39209:

```
Get libc's path by ldd [Bug #7828] [ruby-core:52129]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39216 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 02/12/2013 12:18 PM - naruse (Yui NARUSE)

- *Status changed from Open to Closed*

- *% Done changed from 0 to 100*

This issue was solved with changeset r39209.

Jon, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

Get libc's path by ldd [Bug [#7828](#)] [[ruby-core:52129](#)]