

Ruby trunk - Bug #9213

mkmf.rb emits invalid destination directory name for mswin32/64

12/05/2013 01:25 AM - arton (Akio Tajima)

Status: Assigned	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version:	
ruby -v: ruby 2.0.0p353 (2013-11-22) [i386-mswin32_100]	Backport: 1.9.3: UNKNOWN, 2.0.0: DONE
Description	
<p>The install process of traditional extended library (=non gem) uses extconf.rb for creating Makefile and install the library by (n)make install. However it does not work correctly because of FileUtil.mkdir met bad directory name as 'c:c:/...'. This is caused by DESTDIR and prefix combination. When one does not specify DESTDIR, rbconfig.rb create it as 'DESTDIR = TOPDIR && TOPDIR[^\A[a-z]:/i] "' unless defined? DESTDIR' #=> 'C:' or 'D:'. By the other hand CONFIG['prefix'] is (TOPDIR DESTDIR + '/usr') so the prefixdir also contains 'c:' or 'd:' ... The definition for install directories in mkmf.rb is defined as both DESTDIR and CONFIG['prefix'] directory for example '\$(DESTDIR)\$ (vendorarchdir)\$ (target_prefix)'. It causes the double drive letter name 'c:c:...'.</p> <p>While there are some workarounds as using setup.rb or gem, it's harmful for the testing phase of extended libraries.</p>	

Associated revisions

Revision 1a1c0aeb - 12/05/2013 01:18 PM - nobu (Nobuyoshi Nakada)

mkmf.rb: strip destdir from prefix

- lib/mkmf.rb (configuration): strip destdir part from prefix to get rid of duplication. a patch by arton at [ruby-core:58859]. [ruby-core:58856] [Bug #9213]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@44019 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 44019 - 12/05/2013 01:18 PM - nobu (Nobuyoshi Nakada)

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Revision b9bfc5b8 - 12/23/2013 03:33 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 44019: [Backport #9213]

```
* lib/mkmf.rb (configuration): strip destdir part from prefix to get
  rid of duplication. a patch by arton at [ruby-core:58859].
  [ruby-core:58856] [Bug #9213]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@44367 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 12/05/2013 02:41 AM - arton (Akio Tajima)

I think the DESTDIR setting is for DOS like prefix.
So this is the patch.

```
--- mkmf.rb.org 2013-12-05 02:38:38.508908700 +0900
+++ mkmf.rb 2013-12-05 02:38:59.788774499 +0900
@@ -1849,6 +1849,7 @@ VPATH = #{vpath.join(CONFIG['PATH_SEPARA
   prefix = mkintpath(CONFIG["prefix"])
   if destdir = prefix[$dest_prefix_pattern, 1]
     mk << "\nDESTDIR = #{destdir}\n"
+   prefix = prefix[destdir.size..-1]
   end
   mk << "prefix = #{with_destdir(prefix).unspace}\n"
   CONFIG.each do |key, var|
```

#2 - 12/05/2013 10:18 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r44019.
Akio, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

mkmf.rb: strip destdir from prefix

- lib/mkmf.rb (configuration): strip destdir part from prefix to get rid of duplication. a patch by arton at [ruby-core:58859]. [ruby-core:58856] [Bug #9213]

#3 - 12/05/2013 11:52 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 1.9.3: UNKNOWN, 2.0.0: UNKNOWN to 1.9.3: UNKNOWN, 2.0.0: REQUIRED

#4 - 12/24/2013 12:33 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 1.9.3: UNKNOWN, 2.0.0: REQUIRED to 1.9.3: UNKNOWN, 2.0.0: DONE

r44019 was backported to ruby_2_0_0 at r44367.

#5 - 02/28/2014 03:03 AM - katonbo (Masahiro Kitajima)

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Sample code

sample.c

```
void Init_Sample() {  
}
```

extconf.rb

```
require "mkmf"  
create_makefile("Sample")
```

Operation

```
C:\TMP>ruby -v  
1: ruby 2.0.0p451 (2014-02-24) [i386-mswin32]  
C:\TMP>ruby extconf.rb  
1: creating Makefile  
C:\TMP>nmake /N  
1:  
2: Microsoft (R) Program Maintenance Utility Version 6.00.9782.0  
3: Copyright (C) Microsoft Corp 1988-1998. All rights reserved.  
4:  
5: echo generating Sample-i386-mswin32.def  
6: \ruby200\bin\ruby -e "puts 'EXPORTS', 'Init_Sample'" > Sample-i386-mswin32.def  
7: echo compiling sample.c  
8: cl -nologo -I. -Ic:/ruby200/include/ruby-2.0.0/i386-mswin32 -Ic:/ruby200/include/ruby-2.0.0/ruby/back  
ward -Ic:/ruby200/include/ruby-2.0.0 -I. -MD -Zi -W2 -O2b2xg- -G6 -Zm600 -Fosample.obj -c -Tcsample.c  
9: echo linking shared-object Sample.so  
10: \ruby200\bin\ruby -run -e rm -- -f Sample.so  
11: cl -nologo -LD -FeSample.so sample.obj msvcr7-ruby200.lib oldnames.lib user32.lib advapi32.lib shell  
32.lib ws2_32.lib imagehlp.lib shlwapi.lib -link -incremental:no -debug -opt:ref -opt:icf -incremental:no -de  
bug -opt:ref -opt:icf -dll -libpath:. -libpath:/ruby200/lib -implib:Sample-i386-mswin32.lib -pdb:Sample-i386-  
mswin32.pdb -def:Sample-i386-mswin32.def
```

6000 1000\$(RUBY) 00000000000000000000

#6 - 02/28/2014 08:28 AM - nobu (Nobuyoshi Nakada)

- Status changed from Closed to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)
- Target version changed from 2.1.0 to 2.2.0

memo: 2.0.0 has not backported r41648 and r41756.

#7 - 01/05/2018 09:00 PM - naruse (Yui NARUSE)

- Target version deleted (2.2.0)