Ruby trunk - Bug #11201
pkg_config NoMethodError when finding other -config program
06/01/2015 06:48 AM - Hanmac (Hans Mackowiak)

Status: Closed
Priority: Normal
Assignee: 
Target version: ruby 2.3.0dev (2015-05-28 trunk 50658)
Backport: 2.0.0: WONTFIX, 2.1: DONE, 2.2: DONE

Description
where it does work (existing package)

```
pkg_config("gtk+-x11-2.0")
# => ["-pthread", ",", "-lgtk-x11-2.0 -lgdk-x11-2.0 -lpangocairo-1.0 -latk-1.0 -lcairo -lgdk_pixbuf-2.0 -lgio-2.0 -lpangoft2-1.0 -lpango-1.0 -lgobject-2.0 -lfontconfig -lfontconfig -freetype"]
pkg_config("gtk+-x11-2.0", "version") # => "0.28"
```

where it does work (non-existing package)

```
pkg_config("wx-bla", "version") # => nil
pkg_config("wx-bla") # => nil
```

where it maybe not work (other (pkg)-config program)

```
pkg_config("wx", "version") # => "3.1.0"

pkg_config("wx")
#either should try to return the same stuff as pkg_config("gtk+-x11-2.0") if possible, or if not return nil

NoMethodError: undefined method `scan' for nil:NilClass
  from /usr/local/rvm/rubies/ruby-head/lib/ruby/2.3.0/shellwords.rb:73:in `shellsplit'
  from /usr/local/rvm/rubies/ruby-head/lib/ruby/2.3.0/mkmf.rb:1819:in `pkg_config'
  from (irb):11
  from /usr/local/rvm/rubies/ruby-head/bin/irb:11:in `<main>'
```

Associated revisions
Revision 50717 - 06/01/2015 01:01 PM - nobu (Nobuyoshi Nakada)

mkmf.rb: split --libs

- lib/mkmf.rb (pkg_config): split --libs if --libs-only-l option is not available. patch in [ruby-core:69428] by Hans Mackowiak. [ruby-core:69421] [Bug #11201]

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Revision 51123 - 07/03/2015 09:43 AM - usa (Usaku NAKAMURA)
merge revision(s) 50717: [Backport #11201]

* lib/mkmf.rb (pkg_config): split --libs if --libs-only-l option is not available. patch in [ruby-core:69428] by Hans Mackowiak. [ruby-core:69421] [Bug #11201]

Revision 51135 - 07/03/2015 08:13 PM - nagachika (Tomoyuki Chikanaga)
merge revision(s) 50717: [Backport #11201]

* lib/mkmf.rb (pkg_config): split --libs if --libs-only-l option is not available. patch in [ruby-core:69428] by Hans Mackowiak. [ruby-core:69421] [Bug #11201]

History

#1 - 06/01/2015 08:51 AM - nobu (Nobuyoshi Nakada)
- Description updated
- Status changed from Open to Feedback

Does pkg-config --libs-only-l wx work?

#2 - 06/01/2015 09:00 AM - Hanmac (Hans Mackowiak)
wx from wxWidgets does have its own wx-config script with does have other flags than pkg-config (pkg-config in its second version can call (pkg)-config scripts)

thats why:

wx-config --libs-only-l
*** Error: Unrecognised option: '--libs-only-l'

imo it would be nice if it would have checked if that libs-only-l returns something/a string before shellsplit does try to cut it.

i am okay with it that pkg_config("wx") might not be able to get something but imo it would be better if it does return nil instead of NoMethodError
PS: but i think it still would have been nice if it would have been able to return something meaningful.

another sample would be xml2-config from libxml2

PS: i might try to fix that on my own and then i will add a patch
Thank you, does this patch work?

diff --git i/lib/mkmf.rb w/lib/mkmf.rb
index be9b06c..615e2dc 100644
--- i/lib/mkmf.rb
+++ w/lib/mkmf.rb
@@ -1818,11 +1818,15 @@
cflags = get['cflags']
 end
 11/29/2017 3/5
libs = get['libs-only-l']
- ldflags = (Shellwords.shellwords(ldflags) - Shellwords.shellwords(libs)).quote.join(" ")
- $CFLAGS += " " << cflags
- $CXXFLAGS += " " << cflags
+ if cflags
+ $CFLAGS += " " << cflags
+ $CXXFLAGS += " " << cflags
+ end
+ if libs
+ ldflags = (Shellwords.shellwords(ldflags) - Shellwords.shellwords(libs)).quote.join(" ")
+ $libs += " " << libs
+ end
+ $LDFLAGS = [orig_ldflags, ldflags].join(' ')
- $libs += " " << libs
logging::message "package configuration for %s\n", pkg
logging::message "cflags: %s\nlibs: %s\n", cflags, ldflags, libs

i try to modify your possible patch a bit,
now it can parse the libs from the ldflags again.

makes it work with wx-config and freetype-config

diff --git a/lib/mkmf.rb b/lib/mkmf.rb
index 0f588a5..7e8b22d 100644
--- a/lib/mkmf.rb
+++ b/lib/mkmf.rb
@@ -1816,11 +1816,18 @@
cflags = get['cflags']
 end
 11/29/2017 3/5
libs = get['libs-only-l']
- ldflags = (Shellwords.shellwords(ldflags) - Shellwords.shellwords(libs)).quote.join(" ")
- $libs += " " << ldflags
+ $libs += " " << ldflags
+ $libs += " " << ldflags
+ end
+ $LDFLAGS = [orig_ldflags, ldflags].join(' ')
- $libs += " " << ldflags
logging::message "package configuration for %s\n", pkg
logging::message "cflags: %s\nlibs: %s\n", cflags, ldflags, libs

#3 - 06/01/2015 09:46 AM - nobu (Nobuyoshi Nakada)

#4 - 06/01/2015 12:44 PM - Hanmac (Hans Mackowiak)

- Priority changed from Normal to 3
sdl2-config and xml2-config makes problems with "cflags-only-I" and "libs-only-l" because they do not return error so $? .success? does think the data is ok

#5 - 06/01/2015 01:05 PM - nobu (Nobuyoshi Nakada)
- Status changed from Feedback to Closed

Applied in changeset r50717.

mkmf.rb: split --libs

• lib/mkmf.rb (pkg_config): split --libs if --libs-only-I option is not available. patch in by Hans Mackowiak. [Bug #11201]

#6 - 06/30/2015 04:12 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN to 2.0.0: WONTFIX, 2.1: REQUIRED, 2.2: REQUIRED

#7 - 07/03/2015 09:45 AM - usa (Usaku NAKAMURA)
- Backport changed from 2.0.0: WONTFIX, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: WONTFIX, 2.1: DONE, 2.2: REQUIRED
ruby_2_1 r51123 merged revision(s) 50717.

#8 - 07/03/2015 08:14 PM - nagachika (Tomoyuki Chikanaga)
- Backport changed from 2.0.0: WONTFIX, 2.1: DONE, 2.2: REQUIRED to 2.0.0: WONTFIX, 2.1: DONE, 2.2: DONE

Backported into ruby_2_2 branch at r51135.