

## Ruby master - Bug #11201

### pkg\_config NoMethodError when finding other -config program

06/01/2015 06:48 AM - Hanmac (Hans Mackowiak)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.3.0dev (2015-05-28 trunk 50658) [x86_64-linux]	<b>Backport:</b> 2.0.0: WONTFIX, 2.1: DONE, 2.2: DONE
<b>Description</b>	
where it does work (existing package)	
<pre>pkg_config("gtk+-x11-2.0") # =&gt; ["-pthread", "", "-lgtk-x11-2.0 -lgdk-x11-2.0 -lpangocairo-1.0 -latk-1.0 -lcairo -lgdk_pixbu f-2.0 -lgio-2.0 -lpangoft2-1.0 -lpango-1.0 -lgobject-2.0 -lglib-2.0 -lfontconfig -lfreetype"] pkg_config("gtk+-x11-2.0", "version") # =&gt; "0.28"</pre>	
where it does work (non-existing package)	
<pre>pkg_config("wx-bla", "version") # =&gt; nil pkg_config("wx-bla") # =&gt; nil</pre>	
where it maybe not work (other (pkg)-config program)	
<pre>pkg_config("wx", "version") # =&gt; "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 r eturn 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>'</main></pre>	

#### Associated revisions

##### Revision 5c18ffe2 - 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]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@50717 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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#### Revision f81db3c8 - 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]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_1@51123 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### 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 7b2a41d3 - 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]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_2@51135 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### 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

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### #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

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

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 @@ SRC
     cflags = get['cflags']
     end
     libs = get['libs-only-1']
-   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\nldflags: %s\nlibs: %s\n\n",
                    cflags, ldflags, libs
```

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

- Priority changed from Normal to 3

i try to modify your possible patch a bit,  
now it can parse the libs from the libflags 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 @@ SRC
     cflags = get['cflags']
     end
     libs = get['libs-only-1']
-   ldflags = (Shellwords.shellwords(ldflags) - Shellwords.shellwords(libs)).quote.join(" ")
-   $CFLAGS += " " << cflags
-   $CXXFLAGS += " " << cflags
-   $LDFLAGS = [orig_ldflags, ldflags].join(' ')
+   if cflags
+     $CFLAGS += " " << cflags
+     $CXXFLAGS += " " << cflags
+   end
+   if libs
+     ldflags = (Shellwords.shellwords(ldflags) - Shellwords.shellwords(libs)).quote.join(" ")
+   else
+     libs, ldflags = Shellwords.shellwords(ldflags).partition {|s| s =~ /^-([\^ ]+)/ }.map {|l| l.quote.joi
n(" ") }
+   end
  $libs += " " << libs
+
+  $LDFLAGS = [orig_ldflags, ldflags].join(' ')
  Logging::message "package configuration for %s\n", pkg
  Logging::message "cflags: %s\nldflags: %s\nlibs: %s\n\n",
                    cflags, ldflags, libs
```

sd2-config and xml2-config makes problems with "cflags-only-l" 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.

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**#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.