

Backport200 - Backport #6504

mkmf.rb should not use CFLAGS when compiling C++ code

05/27/2012 06:31 PM - hansdegraaff (Hans de Graaff)

Status:	Closed	
Priority:	Normal	
Assignee:	nagachika (Tomoyuki Chikanaga)	
Description		
<p>mkmf.rb currently sets CXXFLAGS to include CFLAGS. It should not do this because CFLAGS are meant for C compilation only and may contain flags that cause problems with C++. If there are flags that are common to both C and C++ (such as the -I flags in the downstream bug) then these should be collected in a separate variable.</p> <p>https://github.com/ruby/ruby/blob/trunk/lib/mkmf.rb#L1786</p> <pre>CXXFLAGS = \$(CFLAGS) #{CONFIG['CXXFLAGS']}</pre> <p>For reference our downstream bug report that triggered this: https://bugs.gentoo.org/show_bug.cgi?id=396281</p>		
Related issues:		
Related to Ruby master - Bug #8315: mkmf does not include include paths from ...	Closed	04/24/2013

Associated revisions

Revision 2e26edb6 - 03/29/2013 02:09 AM - nobu (Nobuyoshi Nakada)

mkmf.rb: no CFLAGS in CXXFLAGS

- lib/mkmf.rb (configuration): not include all CFLAGS in CXXFLAGS, to use different set than C for C++. [ruby-core:45273] [Bug #6504]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39994 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39994 - 03/29/2013 02:09 AM - nobu (Nobuyoshi Nakada)

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Revision 303568e6 - 04/14/2013 02:55 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 39994: [Backport #6504]

```
* lib/mkrmf.rb (configuration): not include all CFLAGS in CXXFLAGS, to
use different set than C for C++. [ruby-core:45273] [Bug #6504]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@40291 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 40291 - 04/14/2013 02:55 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 39994: [Backport #6504]

```
* lib/mkrmf.rb (configuration): not include all CFLAGS in CXXFLAGS, to
use different set than C for C++. [ruby-core:45273] [Bug #6504]
```

History

#1 - 05/27/2012 07:20 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)

#2 - 05/28/2012 11:34 AM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Feedback

hansdegraaff (Hans de Graaff) wrote:

For reference our downstream bug report that triggered this: https://bugs.gentoo.org/show_bug.cgi?id=396281

I can't see that page because of "untrusted issuer error".

#3 - 01/26/2013 06:56 AM - drbrain (Eric Hodel)

- Subject changed from *mkrmf.rb should not use CFLAGS when compiling C++ code* to *mkrmf.rb should not use CFLAGS when compiling C++ code*
- Status changed from Feedback to Rejected

Since the submitter has not given access to the downstream bug report as requested I am rejecting this.

#4 - 03/29/2013 07:52 AM - postmodern (Hal Brodigan)

Visiting <https://bugs.gentoo.org/> gives me "Error code: sec_error_untrusted_issuer" with Firefox 19 on Fedora 17. I can however add an exception and temporarily trust the certificate in order to view the bug report.

#5 - 03/29/2013 08:32 AM - Flameeyes (Diego Elio Pettenò)

It's not like the bug at Gentoo adds much more. It just happens to be somebody who has different CFLAGS/CXXFLAGS (like many do, for instance it's common to use `-ggdb3` on C code, but not enabling it on C++ code because it requires at least an order of magnitude more ram), and gets `fxruby` built with the wrong set.

How much more info than this (which was provided in the original report, including the reference to the line where the mix-up is happening) do you expect? An essay on why you should not mix flags for one language with those for another? A dissertation on why any half-serious build system, including both Autotools and CMake, keep the two separate?

#6 - 03/29/2013 09:01 AM - drbrain (Eric Hodel)

- Status changed from Rejected to Assigned

#7 - 03/29/2013 11:09 AM - nobu (Nobuyoshi Nakada)

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

This issue was solved with changeset r39994.
Hans, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

mkrmf.rb: no CFLAGS in CXXFLAGS

- lib/mkrmf.rb (configuration): not include all CFLAGS in CXXFLAGS, to use different set than C for C++. [ruby-core:45273] [Bug #6504]

#8 - 03/29/2013 11:10 AM - nobu (Nobuyoshi Nakada)

- Tracker changed from Bug to Backport
- Project changed from Ruby master to Backport200
- Status changed from Closed to Assigned
- Assignee changed from nobu (Nobuyoshi Nakada) to nagachika (Tomoyuki Chikanaga)

#9 - 04/14/2013 11:55 PM - nagachika (Tomoyuki Chikanaga)

- Status changed from Assigned to Closed

This issue was solved with changeset [r40291](#).
Hans, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

merge revision(s) 39994: [Backport [#6504](#)]

```
* lib/mkmf.rb (configuration): not include all CFLAGS in CXXFLAGS, to  
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```

#10 - 09/15/2014 02:05 AM - nagachika (Tomoyuki Chikanaga)

- Related to Bug #8315: mkmf does not include include paths from pkg_config anymore added