

Ruby - Bug #3231

Digest Does Not Build

05/01/2010 03:12 PM - cfis (Charlie Savage)

Status:	Closed	
Priority:	Normal	
Assignee:	nahi (Hiroshi Nakamura)	
Target version:		
ruby -v:	HEAD	Backport: 2.0.0: REQUIRED, 2.1: DONE, 2.2: DONE

Description

=begin
Revisiting this one from a few weeks back. MD5/rmd160/sha1/sha2 do not build using VC 2010. They do build with Mingw (mingw + msys). See compiler logs below.

Focusing on MD5 (they all have the same issue):

extconf.h is generated like this:

```
#ifndef EXTCONF_H
#define EXTCONF_H
#define HAVE_CONFIG_H 1
#define HAVE_OPENSSL_MD5_H 1
#endif
```

Then in md5init.c:

```
#include "digest.h"
#if defined(HAVE_OPENSSL_MD5_H)
#include "md5ossl.h"
#else
#include "md5.h"
#endif
```

Since extconf.h is never passed to the compiler, the error happens. Adding this to the top of the file:

```
#define HAVE_OPENSSL_MD5_H
```

Fixes the issue. Clearly that's a hack, but I don't understand how extconf.h is used in building the extension since the only place it comes into play is in the generated makefile:

```
$(OBJS): $(RUBY_EXTCONF_H)
```

So not sure the solution, but the problem is that having openssl installed correctly breaks the VC digest extension build.

1. Digest/MD5

```
cl -nologo -LD -Fe../../ext/i386-mswin32_100/digest/md5.so md5init.obj md5ossl.obj msvcr100-ruby191.lib crypto.lib
unicows.lib oldnames.lib user32.lib advapi32.lib shell32.lib ws2_32.lib -link -incremental:no -debug -opt:ref -opt:icf
-incremental:no -debug -opt:ref -opt:icf -dll -libpath:. -libpath:../../implib:md5-i386-mswin32_100.lib
-pdb:md5-i386-mswin32_100.pdb -def:md5-i386-mswin32_100.def
Creating library md5-i386-mswin32_100.lib and object md5-i386-mswin32_100.exp
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Finish
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Update
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Init
../../ext/i386-mswin32_100/digest/md5.so : fatal error LNK1120: 3 unresolved externals
NMAKE : fatal error U1077: "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\BIN\cl.EXE" : return code '0x2'
Stop.
```

2. Digest/rmd160

```
cl -nologo -LD -Fe../../.ext/i386-mswin32_100/digest/rmd160.so rmd160init.obj rmd160ossl.o
bj msvcrl100-ruby191.lib crypto.lib unicows.lib oldnames.lib user32.lib advapi32.lib shell32.l
ib ws2_32.lib -link -incremental:no -debug -opt:ref -opt:icf -incremental:no -debug -opt:ref
-opt:icf -dll -libpath:. -libpath:../../. -implib:rmd160-i386-mswin32_100.lib -pdb:rmd160-i38
6-mswin32_100.pdb -def:rmd160-i386-mswin32_100.def
```

```
Creating library rmd160-i386-mswin32_100.lib and object rmd160-i386-mswin32_100.exp
rmd160init.obj : error LNK2001: unresolved external symbol _rb_Digest_RMD160_Finish
rmd160init.obj : error LNK2001: unresolved external symbol _rb_Digest_RMD160_Update
rmd160init.obj : error LNK2001: unresolved external symbol _rb_Digest_RMD160_Init
../../.ext/i386-mswin32_100/digest/rmd160.so : fatal error LNK1120: 3 unresolved externals
NMAKE : fatal error U1077: "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\BIN\cl.EXE" : return code '0x2'
```

3. Digest/sha1

```
cl -nologo -LD -Fe../../.ext/i386-mswin32_100/digest/sha1.so sha1init.obj sha1ossl.obj msvcrl100-ruby191.lib crypto.lib
unicows.lib oldnames.lib user32.lib advapi32.lib shell32.lib ws2_32.lib -link -incremental:no -debug -opt:ref -opt:icf
-incremental:no -debug -opt:ref -opt:icf -dll -libpath:. -libpath:../../. -implib:sha1-i386-mswin32_100.lib
-pdb:sha1-i386-mswin32_100.pdb -def:sha1-i386-mswin32_100.def
Creating library sha1-i386-mswin32_100.lib and object sha1-i386-mswin32_100.exp
sha1init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA1_Finish
sha1init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA1_Update
sha1init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA1_Init
../../.ext/i386-mswin32_100/digest/sha1.so : fatal error LNK1120: 3 unresolved externals
NMAKE : fatal error U1077: "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\BIN\cl.EXE" : return code '0x2'
Stop.
```

4. Digest/sha2

```
cl -nologo -LD -Fe../../.ext/i386-mswin32_100/digest/sha2.so sha2init.obj sha2ossl.obj msvcrl100-ruby191.lib crypto.lib
unicows.lib oldnames.lib user32.lib advapi32.lib shell32.lib ws2_32.lib -link -incremental:no -debug -opt:ref -opt:icf
-incremental:no -debug -opt:ref -opt:icf -dll -libpath:. -libpath:../../. -implib:sha2-i386-mswin32_100.lib
-pdb:sha2-i386-mswin32_100.pdb -def:sha2-i386-mswin32_100.def
Creating library sha2-i386-mswin32_100.lib and object sha2-i386-mswin32_100.exp
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA512_Finish
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA512_Update
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA512_Init
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA384_Finish
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA384_Update
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA384_Init
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA256_Finish
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA256_Update
sha2init.obj : error LNK2001: unresolved external symbol _rb_Digest_SHA256_Init
../../.ext/i386-mswin32_100/digest/sha2.so : fatal error LNK1120: 9 unresolved externals
NMAKE : fatal error U1077: "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\BIN\cl.EXE" : return code '0x2'
Stop.
```

```
c:\Development\src\ruby\ext\digest\sha2>
=end
```

Associated revisions

Revision 5a55408b77fb20b9e39428685dd20d215de37dcd - 06/16/2010 09:38 AM - knu (Akinori MUSHIA)

- ext/digest: Work around a build problem with VC++ 2010, likely due to a bug of its cl.exe. [Bug #3231]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@28341 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 5a55408b77fb20b9e39428685dd20d215de37dcd - 06/16/2010 09:38 AM - knu (Akinori MUSHIA)

- ext/digest: Work around a build problem with VC++ 2010, likely due to a bug of its cl.exe. [Bug #3231]

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Revision 5a55408b - 06/16/2010 09:38 AM - Akinori MUSHIA

- ext/digest: Work around a build problem with VC++ 2010, likely due to a bug of its cl.exe. [Bug #3231]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@28341 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 9a7c25abab65e2a501e05676b6e4e53f0e9ff026 - 11/21/2015 04:35 AM - naruse (Yui NARUSE)

- ext/digest/[.ch]: include ruby.h before digest.h to avoid includeing ext/digest/extconf.h. [Bug #3231]
<https://msdn.microsoft.com/library/36k2cdd4.aspx>
- ext/digest/*/extconf.rb: remove ext/digest from include search path to avoid confusion of cl.exe.
- ext/digest/[.ch]: explicitly specify def.h's path.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@52694 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 9a7c25ab - 11/21/2015 04:35 AM - naruse (Yui NARUSE)

- ext/digest/[.ch]: include ruby.h before digest.h to avoid includeing ext/digest/extconf.h. [Bug #3231]
<https://msdn.microsoft.com/library/36k2cdd4.aspx>
- ext/digest/*/extconf.rb: remove ext/digest from include search path to avoid confusion of cl.exe.
- ext/digest/[.ch]: explicitly specify def.h's path.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@52694 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2c30e876c43debeb2736dc40b96fb82268d2ea49 - 11/24/2015 03:28 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 52694: [Backport #3231]

- * ext/digest/*/*.ch: include ruby.h before digest.h to avoid includeing ext/digest/extconf.h. [Bug #3231]
<https://msdn.microsoft.com/library/36k2cdd4.aspx>
- * ext/digest/*/extconf.rb: remove ext/digest from include search path to avoid confusion of cl.exe.
- * ext/digest/*/*.ch: explicitly specify def.h's path.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@52739 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2c30e876 - 11/24/2015 03:28 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 52694: [Backport #3231]

- * ext/digest/*/*.ch: include ruby.h before digest.h to avoid includeing ext/digest/extconf.h. [Bug #3231]
<https://msdn.microsoft.com/library/36k2cdd4.aspx>
- * ext/digest/*/extconf.rb: remove ext/digest from include search path to avoid confusion of cl.exe.
- * ext/digest/*/*.ch: explicitly specify def.h's path.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@52739 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38535a30f278ce58fcc572e51844515c1274cc3d - 11/24/2015 04:09 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 52694: [Backport #3231]

- * ext/digest/shal/shaloss.c: fix defs.h path to catch up changes in

```
r52739. [Bug #3231]
```

```
* ext/digest/rmd160/rmd160ossl.c: ditto.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@52743 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38535a30 - 11/24/2015 04:09 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 52694: [Backport #3231]

```
* ext/digest/sha1/shaloss.c: fix defs.h path to catch up changes in  
r52739. [Bug #3231]
```

```
* ext/digest/rmd160/rmd160ossl.c: ditto.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@52743 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision cb826f3ff9b14107e3d94f431acdfed4b1d76e04 - 11/30/2015 12:08 PM - U.Nakamura

merge revision(s) 52694: [Backport #3231]

```
* ext/digest/*/*.ch: include ruby.h before digest.h to avoid  
includeing ext/digest/extconf.h. [Bug #3231]  
https://msdn.microsoft.com/library/36k2cdd4.aspx
```

```
* ext/digest*/extconf.rb: remove ext/digest from include search path  
to avoid confusion of cl.exe.
```

```
* ext/digest/*/*.ch: explicitly specify def.h's path.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@52797 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision cb826f3f - 11/30/2015 12:08 PM - U.Nakamura

merge revision(s) 52694: [Backport #3231]

```
* ext/digest/*/*.ch: include ruby.h before digest.h to avoid  
includeing ext/digest/extconf.h. [Bug #3231]  
https://msdn.microsoft.com/library/36k2cdd4.aspx
```

```
* ext/digest*/extconf.rb: remove ext/digest from include search path  
to avoid confusion of cl.exe.
```

```
* ext/digest/*/*.ch: explicitly specify def.h's path.
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@52797 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 05/01/2010 03:45 PM - nobu (Nobuyoshi Nakada)

```
=begin  
Hi,
```

At Sat, 1 May 2010 15:12:35 +0900,
Charlie Savage wrote in [\[ruby-core:29911\]](#):

Since extconf.h is never passed to the compiler, the error
happens. Adding this to the top of the file:

CPPFLAGS should have -DRUBY_EXTCONF_H="\$(RUBY_EXTCONF_H)",
and include/ruby/ruby.h has

```
#ifdef RUBY_EXTCONF_H  
#include RUBY_EXTCONF_H  
#endif
```

How is CPPFLAGS defined in Makefile?

```
--  
Nobu Nakada
```

```
=end
```

#2 - 05/04/2010 01:33 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback

=begin

=end

#3 - 05/07/2010 04:31 AM - cfis (Charlie Savage)

- File Makefile added

=begin

Ok, I see what is happening. The include is pulling in digest/extconf.h, not digest/md5/extconf.h. Thus the compile breaks.

The makefile has this:

```
CPPFLAGS = -DRUBY_EXTCONF_H="$(RUBY_EXTCONF_H)"
```

Include/ruby/ruby.h (in the source tree) has this:

```
#ifdef RUBY_EXTCONF_H
#include RUBY_EXTCONF_H
#endif
```

But if you do this:

```
cd /ext/digest/md5
nmake
```

Then for whatever reason the wrong extconf.h file is being used.

Attaching the generated makefile if it helps.

=end

#4 - 05/08/2010 03:37 AM - nobu (Nobuyoshi Nakada)

- Category set to ext

=begin

Could you show an mkmf.log?

And from where have you installed OpenSSL?

=end

#5 - 05/09/2010 08:12 AM - cfis (Charlie Savage)

- File mkmf.log added

- File Makefile added

=begin

Sure, attached.

OpenSSL (v1.0) is installed to c:\Development\msys\local\bin and c:\Development\msys\local\include.

This is where I have other 3rd party libraries installed (iconv, zlib, libxml, etc.) and those extensions build fine as does the openssl extension. So this isn't a path issue.

=end

#6 - 05/09/2010 03:50 PM - nobu (Nobuyoshi Nakada)

=begin

Hi,

At Sun, 9 May 2010 08:12:27 +0900,

Charlie Savage wrote in [\[ruby-core:30108\]](#):

OpenSSL (v1.0) is installed to c:\Development\msys\local\bin
and c:\Development\msys\local\include.

How were those directory names given to the compiler? The
mkmf.log doesn't seem contain them.

```
have_library: checking for main() in crypto.lib... ----- yes
"cl -nologo -Feconfest -I../..../ext/include/i386-mswin32_100 -I../..../include -I../..../ext/digest/md5 -I../..../ext/digest/md5/.. -I../..../include -MD
-Zi -W2 -wd4996 -Od -Zm600 confest.c msvc100-ruby191-static.lib crypto.lib unicows.lib oldnames.lib user32.lib advapi32.lib shell32.lib
ws2_32.lib -link -incremental:no -debug -opt:ref -opt:icf -libpath:. -libpath:../.. "

```

```
have_header: checking for openssl/md5.h... ----- yes
"cl -nologo -I../..../ext/include/i386-mswin32_100 -I../..../include -I../..../ext/digest/md5 -I../..../ext/digest/md5/.. -MD -Zi -W2 -wd4996 -Od
-Zm600 -c confest.c"

```

And from where have you downloaded and installed that OpenSSL?

--
Nobu Nakada

=end

#7 - 05/10/2010 01:17 PM - cfis (Charlie Savage)

=begin

1. Open VC command prompt.
2. set INCLUDE=c:\Development\msys\local\include;%INCLUDE%
3. set LIB=c:\Development\msys\local\lib;%LIB%
4. cd c:\Development\src\ruby
5. nmake

(Note I have previously run win32/configure.bat)

Note the openssl includes and libs are being found just fine as you can see in mkmf.log
=end

#8 - 05/14/2010 07:32 AM - cfis (Charlie Savage)

=begin

Missed the openssl question. Its the official release, from <http://www.openssl.org/source>. Builds fine, and works fine with the openssl extension as previously noted. And works fine with digest too with including extconf.h from the digest directory (versus the parent directory).

=end

#9 - 05/28/2010 12:19 AM - usa (Usaku NAKAMURA)

=begin

Does this patch help you?
(only ext/digest/md5)

Index: ext/digest/md5/extconf.rb

```
--- ext/digest/md5/extconf.rb (revision 28034)
+++ ext/digest/md5/extconf.rb (working copy)
@@ -4,7 +4,6 @@
require "mkmf"
```

```
$defs << "-DHAVE_CONFIG_H"
-$INCFLAGS << "-I$(srcdir).."
```

```
$objs = [ "md5init.#{@OBJEXT}" ]
```

Index: ext/digest/md5/md5init.c

```
--- ext/digest/md5/md5init.c (revision 28034)
+++ ext/digest/md5/md5init.c (working copy)
@@ -1,7 +1,7 @@
/* $RoughId: md5init.c,v 1.2 2001/07/13 19:49:10 knu Exp $ /
/$Id$ */
```

```
-#include "digest.h"
```

```
+#include "../digest.h"
```

```
#if defined(HAVE_OPENSSL_MD5_H)
```

```
#include "md5ossl.h"
```

```
#else
```

Index: ext/digest/md5/md5.h

```
--- ext/digest/md5/md5.h (revision 28034)
+++ ext/digest/md5/md5.h (working copy)
@@ -46,7 +46,7 @@
#ifdef MD5_INCLUDED
```

define MD5_INCLUDED

```
+#include "defs.h"
-#include "../defs.h"
```

```
/*
```

- This code has some adaptations for the Ghostscript environment, but it

```
=end
```

#10 - 06/06/2010 04:19 PM - cfis (Charlie Savage)

```
=begin
```

Yes - it does fix the issue for md5. Can this also be done for the other digest subdirectories?

Thanks for the help.

```
=end
```

#11 - 06/12/2010 02:24 PM - mame (Yusuke Endoh)

- Status changed from Feedback to Open

- Assignee set to usa (Usaku NAKAMURA)

- Target version set to 1.9.2

```
=begin
```

Hi, Usaku

Could you please commit your patch?

```
--
```

Yusuke Endoh mame@tsq.ne.jp

```
=end
```

#12 - 06/14/2010 10:09 AM - usa (Usaku NAKAMURA)

- Status changed from Open to Assigned

- Assignee changed from usa (Usaku NAKAMURA) to knu (Akinori MUSHASHI)

```
=begin
```

This patch shows only concept to fix.

The maintainer should think how to do now. It's not my task.

```
=end
```

#13 - 06/14/2010 06:58 PM - knu (Akinori MUSHASHI)

```
=begin
```

I'll handle this.

This fix is okay for me because defs.h is intended to be for internal use inside ext/digest/.

```
=end
```

#14 - 06/14/2010 08:15 PM - knu (Akinori MUSHASHI)

```
=begin
```

I think I misread the patch.

Digest submodules should be able to include digest.h without having to use a relative path form, while that's not the case for defs.h.

Let me think awhile about what the real problem is here.

I won't object to putting the proposed fix into ruby_1_9_2 for the forthcoming release, but for trunk as a permanent fix I'm not quite convinced.

```
=end
```

#15 - 06/14/2010 09:00 PM - knu (Akinori MUSH)

- File *dotdotslash.patch* added

=begin

=end

#16 - 06/15/2010 09:19 AM - usa (Usaku NAKAMURA)

=begin

In building process, both `ext/digest/extconf.h` and `ext/digest/md5/extconf.h` exist.
If you specify `-I.` in `ext/digest/md5` and `#include <extconf.h>`, compiler cannot decide to include whether `ext/digest/extconf.h` or `ext/digest/md5/extconf.h`.

Gcc gives priority to the place specified by the rear `-I`, but of course this behavior is not the spec of any standards. It's merely implementation dependence.
And, VC10 actually shows different behavior.
This is the real problem.

My conclusion is that you should specify to compiler what do you actually want to include.

=end

#17 - 06/15/2010 12:45 PM - knu (Akinori MUSH)

=begin

Thanks so much for the detailed explanation. Can I ask you something? Does VC++ search directories in random order, or does it work under any specific rules that changed in VC++ 2010?

In Unix, there is a spec in SUS that the order of specifying `-I/-L` options is significant for the compiler commands, and they shall search directories named in those options in the order specified.

=end

#18 - 06/17/2010 04:12 AM - mame (Yusuke Endoh)

- Target version changed from 1.9.2 to 2.0.0

=begin

Hi,

2010/6/15 Akinori MUSH redmine@ruby-lang.org:

Thanks so much for the detailed explanation. ?Can I ask you something? ?Does VC++ search directories in random order, or does it work under any specific rules that changed in VC++ 2010?

In Unix, there is a spec in SUS that the order of specifying `-I/-L` options is significant for the compiler commands, and they shall search directories named in those options in the order specified.

<http://msdn.microsoft.com/ja-jp/library/36k2cdd4.aspx>

The preprocessor searches for include files in the following order:

1. In the same directory as the file that contains the `#include` statement.
2. In the directories of any previously opened include files in the reverse order in which they were opened. The search starts from the directory of the include file that was opened last and continues through the directory of the include file that was opened first.
3. Along the path specified by each `/I` compiler option.
4. Along the paths specified by the `INCLUDE` environment variable.

The 2 seems to cause this issue.

BTW, knu seemed to apply Usaku's patch at r28341 to `ruby_1_9_2` branch, so this issue would not occur in `ruby_1_9_2`. I set this ticket to 1.9.x.

--

Yusuke Endoh mame@tsg.ne.jp

=end

#19 - 06/17/2010 09:15 PM - knu (Akinori MUSH)

=begin

Thanks for the info. Can you or anyone please check if the clause 2 is new in VC++ 2010?
If that's the case, isn't there any compatibility option we can use to restore the old behavior?

I still hope this is a bug which will eventually be fixed.
=end

#20 - 08/29/2010 07:04 AM - cfis (Charlie Savage)

=begin

Just to follow up on this - I am unfortunately still seeing the same problem in ruby 1.9.2 with VC++ 2010.

```
cl -nologo -LD -Fe../../.ext/i386-mswin32_100/digest/md5.so md5init.obj md5oss1.obj msvcr100-ruby191.lib
crypto.lib unicows.lib oldnames.lib user32.lib advapi32.lib shell32.lib ws2_32.lib -link -incremental:no -de
bug -opt:ref -opt:icf -incremental:no -debug -opt:ref -opt:icf -dll -libpath:. -libpath:../../. -implib:md5-i
386-mswin32_100.lib -pdb:md5-i386-mswin32_100.pdb -def:md5-i386-mswin32_100.def
Creating library md5-i386-mswin32_100.lib and object md5-i386-mswin32_100.exp
```

```
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Finish
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Update
md5init.obj : error LNK2001: unresolved external symbol _rb_Digest_MD5_Init
../../.ext/i386-mswin32_100/digest/md5.so : fatal error LNK1120: 3 unresolved externals
NMAKE : fatal error U1077: "C:\Program Files (x86)\Microsoft Visual Studio 10.0\VC\BIN\cl.EXE" : return code '0x2'
Stop.
=end
```

#21 - 06/11/2011 03:01 PM - ko1 (Koichi Sasada)

Who should handle this ticket?

#22 - 06/26/2011 07:29 PM - naruse (Yui NARUSE)

- Assignee changed from knu (Akinori MUSHYA) to nahi (Hiroshi Nakamura)

#23 - 06/26/2011 11:29 PM - nahi (Hiroshi Nakamura)

- Target version changed from 2.0.0 to 1.9.3

#24 - 06/29/2011 10:50 PM - nahi (Hiroshi Nakamura)

- Status changed from Assigned to Feedback

Charlie, I heard that it doesn't happen for Usaku at present. Do you still suffer by this problem? Can you narrow down conditions how it happens?

#25 - 09/04/2011 10:01 AM - cfis (Charlie Savage)

This can be closed, it no longer happens.

#26 - 09/04/2011 11:44 PM - nahi (Hiroshi Nakamura)

- Status changed from Feedback to Rejected

Thanks for the confirmation. Closing this ticket as 'Works for me'.

#27 - 11/21/2015 04:37 AM - naruse (Yui NARUSE)

- Status changed from Rejected to Closed

- Backport set to 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: REQUIRED

#28 - 11/24/2015 03:30 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: DONE

Backported into ruby_2_2 branch at r52739.
Add similar patch to ext/digest/sha2_sha2oss1.c.

#29 - 11/30/2015 12:08 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED, 2.2: DONE to 2.0.0: REQUIRED, 2.1: DONE, 2.2: DONE

ruby_2_1 r52797 merged revision(s) 52694.

Files

Makefile	7.07 KB	05/07/2010	cfis (Charlie Savage)
mkmf.log	1.9 KB	05/09/2010	cfis (Charlie Savage)
Makefile	7.07 KB	05/09/2010	cfis (Charlie Savage)
dotdotslash.patch	4.53 KB	06/14/2010	knu (Akinori MUSHHA)