

Backport191 - Backport #1884

fttruncate conflict with mingw32 3.4.5

08/05/2009 03:48 AM - mhulse (Matt Hulse)

Status:	Assigned
Priority:	Normal
Assignee:	yugui (Yuki Sonoda)

Description

=begin
I have been testing some gems on WinXP SP2, Ruby 1.9.1-p129 mingw32 installer and devkit from rubyinstaller.org. The following output is from an attempt to install FFI:

```
C:>ruby -v
ruby 1.9.1p129 (2009-05-12 revision 23412) [i386-mingw32]
```

```
C:>gem install ffi
Building native extensions. This could take a while...
ERROR: Error installing ffi:
ERROR: Failed to build gem native extension.
```

```
C:/Ruby/bin/ruby.exe extconf.rb
checking for ffi_closure_alloc() in -lffi... no
creating Makefile
creating extconf.h
```

```
make
[...]
```

```
gcc -I. -IC:/Ruby/include/ruby-1.9.1/i386-mingw32 -I/C:/Ruby/include/ruby-1.9.1/ruby/backward -I/C:/Ruby/include/ruby-1.9.1 -I. -I/c/Ruby/lib/ruby/gems/1.9.1/gems/ffi-0.3.5/ext/ffi_c -I/c/Ruby/lib/ruby/gems/1.9.1/gems/ffi-0.3.5/ext/ffi_c/libffi/include -DHAVE_EXTCONF_H -Werror -Wunused -Wformat -I/c/Ruby/lib/ruby/gems/1.9.1/gems/ffi-0.3.5/ext/ffi_c -I/c/Ruby/lib/ruby/gems/1.9.1/gems/ffi-0.3.5/ext/ffi_c/libffi/include -O2 -g -Wall -Wno-parentheses -o Invoker.o -c Invoker.c
```

```
In file included from c:/Ruby/include/ruby-1.9.1/ruby/defines.h:192,
from c:/Ruby/include/ruby-1.9.1/ruby/ruby.h:70,
from c:/Ruby/include/ruby-1.9.1/ruby.h:32,
from Invoker.c:11:
c:/Ruby/include/ruby-1.9.1/ruby/win32.h:341: error: conflicting types for 'fttruncate'
C:/Ruby/devkit/gcc/3.4.5/bin/./lib/gcc/mingw32/3.4.5/../../../../include/unistd.h:43: error: previous definition of 'fttruncate' was here
c:/Ruby/include/ruby-1.9.1/ruby/win32.h:341: error: conflicting types for 'fttruncate'
C:/Ruby/devkit/gcc/3.4.5/bin/./lib/gcc/mingw32/3.4.5/../../../../include/unistd.h:43: error: previous definition of 'fttruncate' was here
make: *** [Invoker.o] Error 1
```

Apparently Ruby 1.9.1 redefines fttruncate in win32.h:341 which conflicts with mingw32. I can get the gem to compile by wrapping line 341 in win32.h with the following:

```
#if !defined MINGW32
extern int fttruncate(int fd, off_t length);
#endif
```

Luis from rubyinstaller mentioned that it may be better to check whether fttruncate is defined rather than **MINGW32** just in case certain versions of mingw don't define fttruncate, but I'm not sure how to do that.
=end

History

#1 - 08/05/2009 10:52 AM - usa (Usaku NAKAMURA)

- Assignee set to nobu (Nobuyoshi Nakada)

=begin

=end

#2 - 04/10/2010 12:06 PM - mame (Yusuke Endoh)

=begin
Hi, nobu and usa

Any update here?
I guess this can be fixed easily, but do you have any serious problem?

--
Yusuke Endoh mame@tsg.ne.jp
=end

#3 - 04/11/2010 01:40 PM - nobu (Nobuyoshi Nakada)

- *Category set to core*
- *Status changed from Open to Closed*

=begin
Fixed at r27300.
=end

#4 - 04/11/2010 01:41 PM - nobu (Nobuyoshi Nakada)

- *Status changed from Closed to Assigned*
- *Assignee changed from nobu (Nobuyoshi Nakada) to yugui (Yuki Sonoda)*

=begin
=end