

## subtle - Bug #244

### build on ruby-1.9.3-preview1

08/09/2011 03:41 AM - Vincent Batts

<b>Status:</b>	Closed	<b>Start date:</b>	08/09/2011
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Christoph Kappel	<b>% Done:</b>	0%
<b>Category:</b>	Bugfix	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Xi		
<b>Description</b>			
when attempting to build 'mu' on a system with ruby-1.9.3-preview1, it failed during the mkmf checks. so i checked out the developement trunk to reproduce the error. while it is a different fail, i've attached the output. <a href="http://pastebin.com/afNpK1G1">http://pastebin.com/afNpK1G1</a>  the paste includes the ruby version and subtle version information as well			

### History

#### #1 - 08/09/2011 10:29 AM - Christoph Kappel

Hum, cannot reproduce that. Installed 1.9.3dev (r32789) and compiled [subtle](#) without any problems. Did you upgrade your ruby version without removing the cached buildfiles first (with rake clobber) or is this a new clone/checkout?

Init\_prelude is btw. the hack in ruby for gems init, which is really troublesome, because they refuse to export the symbol.

#### #2 - 08/09/2011 03:31 PM - Vincent Batts

well. i'm not sure then. i've now tried an rvm build of 1.9.3 on the same machine, having done a rake clobber, as well as re-cloning the source. i get the same error. this machine is running slackware-current 64bit, which is using gcc-4.5.3. the ruby-1.9.3-preview1 packages are from <http://hashbangbash.com/downloads/pkgs/ruby/>.

so i switched to another machine, running slackware-13.37 64bit (gcc 4.5.2). Using rvm, I installed ruby-1.9.3-preview1. I cloned the source. and got the following output on the first run. It's the same error.  
<http://pastebin.com/3g8kmbLT>

I've tried playing with the gcc command and the order of it's flags, but no success there either. What can you recommend me to try next?

#### #3 - 08/09/2011 04:17 PM - Christoph Kappel

Two different build errors now I cannot reproduce. The latter is a bit strange, because rake aborts after a compiler warning of a redefinition of struct timezone which usually belongs to glibc.

No idea why the ruby devels redefine it, as you can see in the relevant ruby header:

```
#if !defined(HAVE_STRUCT_TIMEZONE)
struct timezone {
    int tz_minuteswest;
    int tz_dsttime;
};
#endif
```

Actually the build system of ruby should set the HAVE\_STRUCT\_TIMEZONE variable on build and prevent the redefinition.

What is the revision no. of ruby on your slackware machine?

#### #4 - 08/09/2011 04:52 PM - Vincent Batts

oh you're right. i didn't see that different error.

**One the machine with the Init\_prelude error, the versions used are:**

```
[vbatts@jellyroll ~] 5008 gcc -v
Reading specs from /usr/lib64/gcc/x86_64-slackware-linux/4.5.3/specs
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/libexec/gcc/x86_64-slackware-linux/4.5.3/lto-wrapper
Target: x86_64-slackware-linux
Configured with: ../gcc-4.5.3/configure --prefix=/usr --libdir=/usr/lib64 --mandir=/usr/man --infodir=/usr/info --enable-shared --enable-bootstrap
--enable-languages=c,c++,ada,fortran,java,objc,lto --enable-threads=posix --enable-checking=release --enable-objc-gc --with-system-zlib
--with-python-dir=/lib64/python2.6/site-packages --disable-libunwind-exceptions --enable-__cxa_atexit --enable-libssp --enable-lto --with-gnu-ld
```

```
--verbose --enable-multilib --target=x86_64-slackware-linux --build=x86_64-slackware-linux --host=x86_64-slackware-linux
Thread model: posix
gcc version 4.5.3 (GCC)
[vbatts@jellyroll ~] 5009 ruby -v
ruby 1.9.3dev (2011-07-31 revision 32789) [x86_64-linux]
```

**On the machine with the timezone error, the versions used are:**

```
[vbatts@satchmo ~] 5026 gcc -v
Reading specs from /usr/lib64/gcc/x86_64-slackware-linux/4.5.2/specs
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/libexec/gcc/x86_64-slackware-linux/4.5.2/lto-wrapper
Target: x86_64-slackware-linux
Configured with: ../gcc-4.5.2/configure --prefix=/usr --libdir=/usr/lib64 --mandir=/usr/man --infodir=/usr/info --enable-shared --enable-bootstrap
--enable-languages=c,c++,ada,fortran,java,objc,lto --enable-threads=posix --enable-checking=release --with-system-zlib
--with-python-dir=/lib64/python2.6/site-packages --disable-libunwind-exceptions --enable-__cxa_atexit --enable-libssp --enable-lto --with-gnu-ld
--verbose --enable-multilib --target=x86_64-slackware-linux --build=x86_64-slackware-linux --host=x86_64-slackware-linux
Thread model: posix
gcc version 4.5.2 (GCC)
[vbatts@satchmo ~] 5027 ruby -v
ruby 1.9.3dev (2011-07-31 revision 32789) [x86_64-linux]
```

**#5 - 08/09/2011 05:08 PM - Christoph Kappel**

Hum, did you try to delete the cache files on your first machine?

I have exactly the same revision number here and don't see the timestruct error, tbh I don't even have an idea how to fix that. This just shouldn't happen, the missing.h exists since 2002. Can you build ruby 1.9.3 on your slackware machine with rvm, too?

**#6 - 08/10/2011 12:53 PM - Christoph Kappel**

- *Category set to Bugfix*
- *Status changed from Unconfirmed to Confirmed*
- *Assignee set to Non member users*

Apparently this is an upstream problem and I hope this ticket will be accepted: <http://redmine.ruby-lang.org/issues/5174>

Until then I will use the ruby\_options hack to fix linker errors.

**#7 - 08/10/2011 12:55 PM - Christoph Kappel**

- *Target version set to Xi*

**#8 - 10/28/2011 10:17 PM - Christoph Kappel**

- *Status changed from Confirmed to Closed*

I don't see any problems in 1.9.3rc1 so I close the issue.