

Ruby master - Bug #7344

gem pristine bigdecimal

11/13/2012 08:11 PM - hsbt (Hiroshi SHIBATA)

Status: Closed	
Priority: Normal	
Assignee: mrkn (Kenta Murata)	
Target version: 2.0.0	
ruby -v: ruby 2.0.0dev (2012-11-13) [x86_64-darwin12.2.1]	Backport:

Description

```
gem pristine bigdecimal
% gem pristine bigdecimal
Restoring gems to pristine condition...
Building native extensions. This could take a while...
ERROR: While executing gem ... (Gem::Installer::ExtensionBuildError)
ERROR: Failed to build gem native extension.

/Users/hsbt/.rbenv/versions/2.0.0-dev/bin/ruby extconf.rb
checking for labs() in stdlib.h... yes
checking for llabs() in stdlib.h... yes
creating Makefile

make
compiling bigdecimal.c
linking shared-object bigdecimal.bundle

make install
/usr/local/Cellar/coreutils/8.19/libexec/gnubin/install -c -m 0755 bigdecimal.bundle
/Users/hsbt/.rbenv/versions/2.0.0-dev/lib/ruby/gems/2.0.0/gems/bigdecimal-1.1.0/
/usr/local/Cellar/coreutils/8.19/libexec/gnubin/install: 'bigdecimal.bundle' and
'/Users/hsbt/.rbenv/versions/2.0.0-dev/lib/ruby/gems/2.0.0/gems/bigdecimal-1.1.0/./bigdecimal.bundle' are the same file
make: *** [install-so] Error 1

OS gem pristine --all b
```

Related issues:

Related to Ruby master - Bug #7698: RubyGems 2.0 has an incompatibility about...	Closed	01/15/2013
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History

#1 - 11/13/2012 08:15 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee changed from nahi (Hiroshi Nakamura) to mrkn (Kenta Murata)

```
mrkn gem pristine
mrkn
```

--
Yusuke Endoh mame@tsq.ne.jp

#2 - 11/14/2012 01:02 AM - mrkn (Kenta Murata)

```
built-in
gemspec
```

#3 - 11/25/2012 02:16 AM - hsbt (Hiroshi SHIBATA)

```
pure-ruby EM working tmp rubygems fake_gem.rb
```

#4 - 11/25/2012 01:46 PM - kou (Kouhei Sutou)

RubyGems <https://github.com/rubygems/rubygems/pull/377> RubyGems Ruby #7427 RubyGems pull request default gem pristine

#5 - 11/25/2012 09:42 PM - hsb (Hiroshi SHIBATA)

gem install bigdecimal rubygems/rubygems #377 rubygems

#6 - 11/25/2012 10:40 PM - kou (Kouhei Sutou)

rubygems.org bigdecimal-1.1.0.gem default gem

```
gem install bigdecimal bigdecimal
gem extconf.rb bigdecimal.c ext/bigdecimal/
```

```
% mkdir -p ext/bigdecimal
% mv bigdecimal.{c,h} depend extconf.rb ext/bigdecimal/
```

bigdecimal.gemspec

Index: bigdecimal.gemspec

```
--- bigdecimal.gemspec (revision 37766)
+++ bigdecimal.gemspec (working copy)
@@ -10,13 +10,13 @@
s.email = "mrkn@mrkn.jp"
s.description = "This library provides arbitrary-precision decimal floating-point number class."
s.authors = ["Kenta Murata", "Shigeo Kobayashi"]
```

- s.require_path = %[.] s.files = %w[bigdecimal.gemspec
- bigdecimal.c
- bigdecimal.h
- ext/bigdecimal/bigdecimal.c
- ext/bigdecimal/bigdecimal.h README
- depend extconf.rb
- ext/bigdecimal/depend
- ext/bigdecimal/extconf.rb lib/bigdecimal/jacobian.rb lib/bigdecimal/ludcmp.rb lib/bigdecimal/math.rb @@ -26,5 +26,5 @@ sample/nlsolve.rb sample/pi.rb]
- s.extensions = %w[extconf.rb]
- s.extensions = %w[ext/bigdecimal/extconf.rb] end

bigdecimal gem rubygems.org push

#7 - 11/26/2012 04:52 AM - hsb (Hiroshi SHIBATA)

mrkn

#8 - 12/02/2012 10:54 PM - mrkn (Kenta Murata)

bigdecimal.gemspec

trunk ext/bigdecimal/bigdecimal.gemspec

#9 - 12/02/2012 11:20 PM - kou (Kouhei Sutou)

bigdecimal

#10 - 12/03/2012 11:07 PM - mrkn (Kenta Murata)

bigdecimal

ruby trunk

io/console

#11 - 12/04/2012 12:46 AM - mrkn (Kenta Murata)

patch ruby top_srcdir gem build ext/bigdecimal/bigdecimal.gemspec gem
install/pristine/uninstall

diff --git a/ext/bigdecimal/bigdecimal.gemspec b/ext/bigdecimal/bigdecimal.gemspec
index 362808c..f52ac22 100644
--- a/ext/bigdecimal/bigdecimal.gemspec
+++ b/ext/bigdecimal/bigdecimal.gemspec
@@ -10,21 +10,22 @@ Gem::Specification.new do |s|
s.email = "mrkn@mrkn.jp"
s.description = "This library provides arbitrary-precision decimal floating-point number class."
s.authors = ["Kenta Murata", "Shigeo Kobayashi"]

- s.require_path = %[]
s.require_path = %[/ext/bigdecimal/lib/] s.files = %w[
bigdecimal.gemspec
bigdecimal.c
bigdecimal.h
README
depend extconf.rb
lib/bigdecimal/jacobian.rb
lib/bigdecimal/ludcmp.rb
lib/bigdecimal/math.rb
lib/bigdecimal/newton.rb
lib/bigdecimal/util.rb
sample/linear.rb
sample/nlsolve.rb
sample/pi.rb
ext/bigdecimal/bigdecimal.gemspec
ext/bigdecimal/bigdecimal.c
ext/bigdecimal/bigdecimal.h
ext/bigdecimal/README
ext/bigdecimal/depend
ext/bigdecimal/extconf.rb
ext/bigdecimal/lib/bigdecimal/jacobian.rb
ext/bigdecimal/lib/bigdecimal/ludcmp.rb
ext/bigdecimal/lib/bigdecimal/math.rb
ext/bigdecimal/lib/bigdecimal/newton.rb
ext/bigdecimal/lib/bigdecimal/util.rb
ext/bigdecimal/sample/linear.rb
ext/bigdecimal/sample/nlsolve.rb
ext/bigdecimal/sample/pi.rb]
s.extensions = %w[extconf.rb]
s.extensions = %w[ext/bigdecimal/extconf.rb] end

#12 - 12/04/2012 02:00 PM - nobu (Nobuyoshi Nakada)

- Assignee changed from mrkn (Kenta Murata) to drbrain (Eric Hodel)

I think the culprit is rubygems, which doesn't separate build, source and install directories.

#13 - 12/06/2012 01:28 PM - drbrain (Eric Hodel)

=begin
This seems fixed in ruby 2.0.0 preview2 which includes RubyGems 2.0.0.preview2 and default gems:

\$ gem20 pristine bigdecimal
Restoring gems to pristine condition...
Skipped bigdecimal-1.1.0, it is a default gem
\$ gem20 env
RubyGems Environment:
- RUBYGEMS VERSION: 2.0.0.preview2
- RUBY VERSION: 2.0.0 (2012-12-05 patchlevel -1) [x86_64-darwin12.2.0]
- INSTALLATION DIRECTORY: /usr/local/lib/ruby/gems/2.0.0
- RUBY EXECUTABLE: /usr/local/bin/ruby20
- EXECUTABLE DIRECTORY: /usr/local/bin
- RUBYGEMS PLATFORMS:
- ruby
- x86_64-darwin-12
- GEM PATHS:

```

- /usr/local/lib/ruby/gems/2.0.0
- /Users/drbrain/.gem/ruby/2.0.0
- GEM CONFIGURATION:
- :update_sources => true
- :verbose => true
- :backtrace => false
- :bulk_threshold => 1000
- :benchmark => false
- "gemcutter_key" => "*****"
- "install" => "--format-executable --no-user-install"
- "update" => "--format-executable --no-user-install"
- "uninstall" => "--format-executable --no-user-install"
- REMOTE SOURCES:
- http://rubygems.org/

=end

```

#14 - 12/08/2012 04:56 PM - hsbt (Hiroshi SHIBATA)

latest rubygems fixed this issue. I confirmed to solve gem pristine bigdecimal.

But gem install bigdecimal always failed now. I think that bigdecimal problems at first. but nobu said it's rubygems defects.

#15 - 12/15/2012 06:47 AM - drbrain (Eric Hodel)

```
=begin
I think I understand the comments on this bug thanks to google translate but please inform me of anything important I did not address.
```

Using recent ruby and rubygems:

```

$ gem20 env
RubyGems Environment:
- RUBYGEMS VERSION: 2.0.0.preview2.1
- RUBY VERSION: 2.0.0 (2012-12-15 patchlevel -1) [x86_64-darwin12.2.1]
- INSTALLATION DIRECTORY: /usr/local/lib/ruby/gems/2.0.0
- RUBY EXECUTABLE: /usr/local/bin/ruby20
- EXECUTABLE DIRECTORY: /usr/local/bin
- RUBYGEMS PLATFORMS:
- ruby
- x86_64-darwin-12
- GEM PATHS:
- /usr/local/lib/ruby/gems/2.0.0
- /Users/drbrain/.gem/ruby/2.0.0
- GEM CONFIGURATION:
- :update_sources => true
- :verbose => true
- :backtrace => false
- :bulk_threshold => 1000
- :benchmark => false
- "gemcutter_key" => "*****"
- "install" => "--format-executable --no-user-install"
- "update" => "--format-executable --no-user-install"
- "uninstall" => "--format-executable --no-user-install"
- REMOTE SOURCES:
- http://rubygems.org/

```

I can pristine big decimal (like hsbt):

```

$ gem20 pristine bigdecimal
Restoring gems to pristine condition...
Skipped bigdecimal-1.1.0, it is a default gem

```

and ((%gem pristine --all%)) works:

```

$ sudo gem20 pristine --all
Password:
Restoring gems to pristine condition...
[...]
Skipped bigdecimal-1.1.0, it is a default gem
[...]

```

I can install bigdecimal:

```

$ gem20 install bigdecimal
Building native extensions. This could take a while...

```

```
Successfully installed bigdecimal-1.1.0
Parsing documentation for bigdecimal-1.1.0
Done installing documentation for bigdecimal (1 sec).
1 gem installed
```

The installed version of bigdecimal and the default gem version are the same, so the installed version can't be used:

```
$ ruby20 -rbigdecimal -e 'p $.grep(/bigdecimal/)'
["/usr/local/lib/ruby/2.0.0/x86_64-darwin12.2.1/bigdecimal.bundle"]
```

I don't know if this is a bug in RubyGems or not. kou, can you comment?

You also can't uninstall the duplicate version you installed, this is a bug:

```
$ gem20 uninstall bigdecimal
ERROR: While executing gem ... (Gem::InstallError)
gem "bigdecimal" cannot be uninstalled because it is a default gem
```

I will fix this bug ^

NOTE: RubyGems will build bigdecimal.so then install bigdecimal.so and ext/bigdecimal/lib/ into lib/. RubyGems edits the Makefile so ((%make install%)) will copy the files:

<https://github.com/rubygems/rubygems/blob/master/lib/rubygems/ext/builder.rb#L19-L23>

So source/build directories and lib directories can be separate (but not source, build and lib).

=end

#16 - 12/18/2012 12:40 AM - mrkn (Kenta Murata)

- Status changed from Assigned to Feedback

I think we need more precise information to reproduce the issue that gem install bigdecimal is still failed on trunk.

#17 - 12/18/2012 11:40 PM - kou (Kouhei Sutou)

The installed version of bigdecimal and the default gem version are the same, so the installed version can't be used:

```
$ ruby20 -rbigdecimal -e 'p $.grep(/bigdecimal/)'
["/usr/local/lib/ruby/2.0.0/x86_64-darwin12.2.1/bigdecimal.bundle"]
```

I don't know if this is a bug in RubyGems or not. kou, can you comment?

Umm... It is difficult... OK. It's a bug in RubyGems. We can fix it by the following change:

Index: specification.rb

```
--- specification.rb (revision 38448)
+++ specification.rb (working copy)
@@ -648,10 +648,10 @@
unless defined?(@@@) && @@@ then
```

```
  specs = {}
```

- each_default do |spec|
- each_normal do |spec| specs[spec.full_name] ||= spec end
- each_normal do |spec|
- each_default do |spec| specs[spec.full_name] ||= spec end

I think we need more precise information to reproduce the issue that gem install bigdecimal is still failed on trunk.

I think that install command on Mac OS X doesn't report error for the same source and destination file. Could you try the following commands?

```
% touch a
% install a a
% echo $?
```

Here is the result on my Debian GNU/Linux:

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Shota Fukumori a.k.a. @sora_h - <http://sorah.jp/>

#27 - 01/15/2013 09:26 AM - hsbt (Hiroshi SHIBATA)

tad `bigdecimal` 1.9 `gem` 2.0 `issue`

#28 - 01/15/2013 01:13 PM - mrkn (Kenta Murata)

[#7698](#)

#29 - 01/16/2013 11:10 PM - tad (Tadashi Saito)

sorah `mrkn` `hsbt` `bigdecimal` `gem` `issue`

[#7698](#)

#30 - 01/17/2013 10:25 PM - kou (Kouhei Sutou)

- Status changed from Feedback to Closed

- % Done changed from 0 to 100

[#7698](#)