

Ruby - 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 - Bug #7698: RubyGems 2.0 has an incompatibility about instal...Closed01/15/2013	

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

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Yusuke Endoh mame@tsg.ne.jp

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

built-in

#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 - hsbt (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
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 = %[%w[bigdecimal.gemspecbigdecimal.cbigdecimal.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 - hsbt (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)

修正
BigDecimalのインストール方法を修正

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

BigDecimalのインストール方法を修正

BigDecimalのインストール方法を修正

io/consoleのインストール方法を修正

#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)

rubygems

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?(@@all) && @@all then
```

```
  specs = {}
```

```
  • [REDACTED]

  • [REDACTED]
    specs[spec.full_name] ||= spec
    end

  • [REDACTED]

  • [REDACTED]
    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:

```
% touch a
% install a a
install: 'a' and 'a' are the same file
% echo $?
1
```

I think that install on Mac OS X returns 0 for "echo \$?".

#18 - 12/19/2012 01:26 AM - mrkn (Kenta Murata)

Could you try the following commands?

This is my result:

```
$ touch a
$ install a a
install: a and a are the same file
$ echo $?
64
$ which install
/usr/bin/install
$ uname -a
Darwin mrkn-mbp15.local 12.2.0 Darwin Kernel Version 12.2.0: Sat Aug 25 00:48:52 PDT 2012; root:xnu-2050.18.24~1/RELEASE_X86_64 x86_64
```

#19 - 12/19/2012 01:03 PM - hsbt (Hiroshi SHIBATA)

I used GNU install(includes coreutils) in Mac OS. my result is same as kou's result of GNU/Linux.

#20 - 12/19/2012 01:09 PM - kou (Kouhei Sutou)

Thanks.

It seems that the following commands show a difference:

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

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```
/home/tadashi/rubies/2.0.0/lib/ruby/gems/2.0.0/gems/decimal-0.1.0/lib
installing default decimal libraries
/usr/bin/install: ./lib/decimal.rb' and /home/tadashi/rubies/2.0.0/lib/ruby/gems/2.0.0/gems/decimal-0.1.0/lib/decimal.rb'
are the same file
make: *** [/home/tadashi/rubies/2.0.0/lib/ruby/gems/2.0.0/gems/decimal-0.1.0/lib/decimal.rb]
Error 1
```

Gem files will remain installed in
/home/tadashi/rubies/2.0.0/lib/ruby/gems/2.0.0/gems/decimal-0.1.0 for
inspection.
Results logged to
/home/tadashi/rubies/2.0.0/lib/ruby/gems/2.0.0/gems/decimal-0.1.0/.gem_make.out

```
make (warning) make install
```

```
gem install gem 2.0.0 (API)
install

```

```
gem 2.0
gem

```

```
gem
```

1. 2.0.0
2. gem 2.0.0 ready

```
2
```

1. gem

2013/1/14 hsbt (Hiroshi SHIBATA) shibata.hiroshi@gmail.com:

Issue [#7344](#) has been updated by hsbt (Hiroshi SHIBATA).

io-console **io-console** **LOAD_PATH** **io**
io/console.so **gnu install**

Bug [#7344](#): gem pristine bigdecimal
<https://bugs.ruby-lang.org/issues/7344#change-35401>

Author: hsbt (Hiroshi SHIBATA)
Status: Feedback
Priority: Normal
Assignee: mrkn (Kenta Murata)
Category: core
Target version: 2.0.0
ruby -v: ruby 2.0.0dev (2012-11-13) [x86_64-darwin12.2.1]

```
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

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<http://bugs.ruby-lang.org/>

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Tadashi Saito

#26 - 01/15/2013 01:53 AM - sorah (Sorah Fukumori)

sora_h

2013/1/15 Tadashi Saito tad.a.digger@gmail.com:

- 2.0.0
- gem 2.0.0 ready
gem (rubygems.org)

2

ruby-core
ruby-core?

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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 1.9 gem 2.0
bigdecimal 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
(

#7698

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

- Status changed from Feedback to Closed

- % Done changed from 0 to 100

#7698