### Description

This is low priority for my usage, and while I'm not investigating the issue anytime soon, I'm surfacing it here in case it's not my system issue and it affects 2.0.0 readiness. I didn't see anything similar on RG's GH issue tracker.

**system:** ubuntu server 12.10 32bit running in virtualbox vm

```
jon@ubusvr:~/downloads$ uname -a
Linux ubusvr 3.5.0-23-generic #35-Ubuntu SMP Thu Jan 24 13:05:29 UTC 2013 i686 i686 i686 GNU/Linux
```

```
jon@ubusvr:~/downloads$ env | grep GEM
```

```
jon@ubusvr:~/downloads$ gem env
RubyGems Environment:
  * RUBYGEMS VERSION: 2.0.0.rc.2
  * RUBY VERSION: 2.0.0 (2013-02-04 patchlevel -1) [i686-linux]
  * INSTALLATION DIRECTORY: /usr/local/lib/ruby/gems/2.0.0
  * RUBY EXECUTABLE: /usr/local/bin/ruby
  * EXECUTABLE DIRECTORY: /usr/local/bin
  * RUBYGEMS PLATFORMS:
    * ruby
    * x86-linux
  * GEM PATHS:
    * /usr/local/lib/ruby/gems/2.0.0
    * /home/jon/.gem/ruby/2.0.0
  * GEM CONFIGURATION:
    * :update_sources => true
    * :verbose => true
    * :backtrace => false
    * :bulk_threshold => 1000
    * "gem" => "--no-rdoc" 
  * REMOTE SOURCES:
    * http://rubygems.org/
```

**nothing of interest in ~/.gem**

```
jon@ubusvr:~/downloads$ ll ~/.gem/
```

```
total 4
drwxrwxr-x 3 jon jon 4096 2013-01-23 18:31:19 specs/
```

**user install fail (also fails from a network install)**

```
jon@ubusvr:~/downloads$ gem i rdiscount-2.0.7.gem --user-install
Building native extensions. This could take a while...
ERROR: While executing gem ... (Gem::FilePermissionError)
You don't have write permissions for the /usr/local/bin directory.
```

**partial install creates new dirs in ~/.gem**

```
jon@ubusvr:~/downloads$ ll ~/.gem/ruby/2.0.0/
```

---

**Ruby master - Bug #7779**

**embedded rubygems 2.0.0.rc.2 mangles --user-install**

02/04/2013 10:15 AM - jonforums (Jon Forums)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>drbrain (Eric Hodel)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev (2013-02-04 trunk 39035) [x686-linux]</td>
</tr>
</tbody>
</table>
rdiscout partially installed into ~/.gem

jon@ubusvr:~/downloads$ ll ~/.gem/ruby/2.0.0/gems/
total 4
drwxrwxr-x 7 jon jon 4096 2013-02-03 19:29:24 rdiscount-2.0.7/

try again...force the user-install

jon@ubusvr:~/downloads$ sudo gem i rdiscount-2.0.7.gem --user-install
[sudo] password for jon:
Building native extensions. This could take a while...
Successfully installed rdiscount-2.0.7
Done installing documentation for rdiscount (0 sec).
1 gem installed

gem installed to ~/.gem but command installed to /usr/local/bin

jon@ubusvr:~/downloads$ which rdiscount
/usr/local/bin/rdiscount

jon@ubusvr:~/downloads$ ll /usr/local/lib/ruby/gems/2.0.0/specifications/
total 24
-rw-r--r-- 1 root root 1364 2013-01-23 18:35:29 json-1.7.6.gemspec
-rw-r--r-- 1 root root 4528 2013-01-23 18:35:38 minitest-4.5.0.gemspec
-rw-r--r-- 1 root root 3697 2013-01-23 18:36:01 rake-10.0.3.gemspec
-rw-r--r-- 1 root root 1581 2013-01-23 18:36:12 test-unit-2.5.4.gemspec

Related issues:
Related to Backport200 - Backport #7880: Backport r39307 to Ruby 2.0.0
Closed 02/19/2013
Related to Backport200 - Backport #7889: Backport 39327 to ruby 2.0.0 to fix ...
Closed 02/20/2013

Associated revisions

Revision aec0735f - 02/18/2013 11:15 PM - drbrain (Eric Hodel)

lib/rubygems/installer.rb: Fixed placement of executables with --user-install. [ruby-trunk - Bug #7779]
test/rubygems/test_gem_installer.rb: Test for above.
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39307 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39307 - 02/18/2013 11:15 PM - drbrain (Eric Hodel)

lib/rubygems/installer.rb: Fixed placement of executables with --user-install. [ruby-trunk - Bug #7779]
test/rubygems/test_gem_installer.rb: Test for above.

Revision 39307 - 02/18/2013 11:15 PM - drbrain (Eric Hodel)

lib/rubygems/installer.rb: Fixed placement of executables with --user-install. [ruby-trunk - Bug #7779]
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Revision 39307 - 02/18/2013 11:15 PM - drbrain (Eric Hodel)

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Revision ccd431e2 - 02/19/2013 05:09 AM - drbrain (Eric Hodel)

lib/rubygems/installer.rb: Fixed placement of executables with --user-install. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_installer.rb: Test for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39319 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 75eb6cc9 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39327 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39327 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.

Revision 39327 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.

Revision 39327 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.

Revision 39327 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.

Revision 39327 - 02/20/2013 12:34 AM - drbrain (Eric Hodel)

lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
lib/rubygems/test_gem_commands_update_command.rb: Test for the above.
Revision 79db75dc - 02/20/2013 08:07 PM - drbrain (Eric Hodel)

Merge trunk revision: 39327

- lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
- test/rubygems/test_gem_commands_update_command.rb: Test for the above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@39344 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 02/19/2013 01:51 AM - mame (Yusuke Endoh)
- Status changed from Open to Assigned

drbrain, what do you think?

--
Yusuke Endoh mame@tsg.ne.jp

#2 - 02/19/2013 03:24 AM - jonforums (Jon Forums)

haven't made it past looking at defaults...

jon@ubusvr:~$ downloads$ ruby -ve '%w(bindir default_bindir user_dir).each {|i| p \"#{i}\" -> #{Gem.send(i)}\"}''

ruby 2.0.0dev (2013-02-18 trunk 39300) [i686-linux]
"bindir -> /usr/local/bin"
"default_bindir -> /usr/local/bin"
"user_dir -> /home/jon/.gem/ruby/2.0.0"

#3 - 02/19/2013 08:15 AM - drbrain (Eric Hodel)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r39307.
Jon, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/rubygems/installer.rb: Fixed placement of executables with --user-install. [ruby-trunk - Bug #7779]
- test/rubygems/test_gem_installer.rb: Test for above.

#4 - 02/20/2013 02:03 AM - jonforums (Jon Forums)

Thanks Eric. Install looks good but gem up xxx --user-install was missed.
If you want this opened as a new issue (here or on RG issues) let me know.

jon@ubusvr:~$ ruby --version
ruby 2.0.0dev (2013-02-19 trunk 39321) [i686-linux]

jon@ubusvr:~$ gem --version
2.0.0

jon@ubusvr:~$ ll ~/.gem
total 4
drwxrwxr-x 3 jon jon 4096 2013-01-23 18:31:19 specs/

jon@ubusvr:~$ export PATH=$HOME/.gem/ruby/2.0.0/bin:$PATH

jon@ubusvr:~$ gem i oj -v '2.0.6' --user-install
Fetching: oj-2.0.6.gem (100%)
Building native extensions. This could take a while...
Successfully installed oj-2.0.6
Done installing documentation for oj (0 sec).
1 gem installed

jon@ubusvr:~$ gem li oj

*** LOCAL GEMS ***
oj (2.0.6)

09/24/2021
Updating installed gems
Updating oj
Fetching: oj-2.0.7.gem (100%)
ERROR: While executing gem ... (Gem::FilePermissionError)
You don't have write permissions for the /usr/local/lib/ruby/gems/2.0.0 directory.

jon@ubusvr:~$ ll ~/.gem/ruby/2.0.0/cache/
total 152
-rw-r--r-- 1 jon jon 74240 2013-02-19 11:44:36 oj-2.0.6.gem
-rw-r--r-- 1 jon jon 74752 2013-02-19 11:45:19 oj-2.0.7.gem
jon@ubusvr:~$ ll ~/.gem/ruby/2.0.0/gems/
total 4
drwxrwxr-x 5 jon jon 4096 2013-02-19 11:44:36 oj-2.0.6/
jon@ubusvr:~$ ll ~/.gem/ruby/2.0.0/specifications/
total 4
-rw-r--r-- 1 jon jon 711 2013-02-19 11:44:43 oj-2.0.6.gemspec

#5 - 02/20/2013 09:15 AM - drbrain (Eric Hodel)
- Status changed from Closed to Assigned
- % Done changed from 100 to 50

Seems like the same issue.

#6 - 02/20/2013 09:35 AM - drbrain (Eric Hodel)
- Status changed from Assigned to Closed
- % Done changed from 50 to 100

This issue was solved with changeset r39327.
Jon, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/rubygems/commands/update_command.rb: Create the installer after options are processed. [ruby-trunk - Bug #7779]
- test/rubygems/test_gem_commands_update_command.rb: Test for the above.