Ruby master - Bug #15147

Mac OSX (brew) reported: You may have encountered a bug in the Ruby interpreter or extension libraries

09/22/2018 05:11 PM - unixwizard (Clement Cole)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Third Party's Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.3.7p456 (2018-03-28 revision 63024) [universal.x86_64-darwin17]</td>
</tr>
<tr>
<td>Backport:</td>
<td>2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN</td>
</tr>
</tbody>
</table>

**Description**

running: brew update --verbose on my Mac. Note: brew doctor seems to have a similar error. The runtime asked me to report this to you folks, so I am.

```ruby
=> Checking dependents for broken library links
/usr/local/Homebrew/Library/Homebrew/cache_store.rb:24: [BUG] Segmentation fault at 0x0000000000000ffd
ruby 2.3.7p456 (2018-03-28 revision 63024) [universal.x86_64-darwin9.0]

-- Crash Report log information ------------------------------------------
See Crash Report log file under the one of following:
  * ~/Library/Logs/CrashReporter
  * /Library/Logs/CrashReporter
  * ~/Library/Logs/DiagnosticReports
  * /Library/Logs/DiagnosticReports
for more details.
Don't forget to include the above Crash Report log file in bug reports.

-- Control frame information --------------------------------------------
```

```
c:0023 p:---- s:0133 e:000132 CFUNC :[]=  
c:0022 p:0018 s:0128 e:000126 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:24  
c:0021 p:0029 s:0122 e:000121 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_cache_store.rb:38  
c:0020 p:0167 s:0118 E:002578 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_checker.rb:148  
c:0019 p:0187 s:0110 E:001998 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_checker.rb:25 [FINISH]  
c:0018 p:---- s:0102 e:000101 CFUNC :new  
c:0016 p:---- s:0092 e:000091 CFUNC :each  
c:0015 p:0049 s:0089 e:000088 BLOCK /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:241 [FINISH]  
c:0014 p:---- s:0082 e:000081 CFUNC :each_key  
c:0013 p:0033 s:0075 E:000ad8 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:230  
c:0012 p:0010 s:0075 E:000ad8 BLOCK /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:231  
c:0011 p:0024 s:0072 e:000071 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:17  
c:0010 p:0045 s:0066 E:000ef0 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:261 [FINISH]  
c:0009 p:0061 s:0059 E:000058 BLOCK /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:230  
c:0008 p:---- s:0052 e:000051 CFUNC :each  
c:0006 p:0024 s:0046 E:000045 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:17  
c:0005 p:0045 s:0040 E:000039 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:230  
c:0004 p:0295 s:0033 E:000032 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:332  
c:0003 p:0352 s:0024 e:000023 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:86  
c:0002 p:0704 s:0017 E:0005c8 EVAL /usr/local/Homebrew/Library/Homebrew/brew.rb:91 [FINISH]  
c:0001 p:0000 s:0002 E:001810 (none) [FINISH]
```

-- Ruby level backtrace information --------------------------------------
```
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:91:in <main>
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:86:in upgrade
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:332:in check_dependents
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:230:in broken_dependents
/usr/local/Homebrew/Library/Homebrew/cache_store.rb:17:in use
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:231:in block in broken_dependents
/usr/local/Homebrew/Library/Homebrew/cmd/upgrade.rb:231:in each
```

05/15/2020
-- Machine register context -----------------------------------------------
rax: 0x0000000000000001 rbx: 0x0000000000007fff rcx: 0x000000000000003f
rdx: 0x0000000000000000 rdi: 0x0000000000000000 rsi: 0x0000000000000000
rub: 0x0000000000000000 rbp: 0x00007ffeefbfc6d0 rsp: 0x00007ffeefbfc6b0
r8: 0x0000000000000001 r9: 0x0000000000000000 r10: 0x0000000000000001
r11: 0x0000000000000000 r12: 0x0000000000000000 r13: 0x0000000000000000
r14: 0x0000000000000000 r15: 0x0000000000000000
rip: 0x00007fff54198944 rflags: 0x0000000000000000
-- Other runtime information ---------------------------------------------
- Loaded script: /usr/local/Homebrew/Library/Homebrew/brew.rb
- Loaded features:
  0 enumerator.so
  1 thread.rb
  2 rational.so
  3 complex.so
  4 encdb.so
  5 trans.so
[NOTE]
You may have encountered a bug in the Ruby interpreter or extension libraries. Bug reports are welcome. For details: http://www.ruby-lang.org/bugreport.html

Abort
[ctcole-mac07:~/Downloads] ctcole% ruby -v
ruby 2.3.7p456 (2018-03-28 revision 63024) [universal.x86_64-darwin17]

Related issues:
Is duplicate of Ruby master - Bug #15137: Can't run brew cleanup  
Third Party’s Issue
History

#1 - 09/22/2018 07:10 PM - nobu (Nobuyoshi Nakada)
- Is duplicate of Bug #15137: Can't run brew cleanup added

#2 - 10/06/2018 03:11 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Third Party's Issue

I can't reproduce it on linkage.db files uploaded there, but dbm_open in the system library returns NULL instead.
I guess the system bundled dbm has a incompatibility or a bug which causes the failure or the segfaults, and we can't manage that library.

Files

<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>ruby_2018-09-22-124554_ctcole-mac07.crash</td>
<td>38.5 KB</td>
<td>09/22/2018</td>
<td>unixwizard (Clement Cole)</td>
</tr>
<tr>
<td>ruby_2018-09-22-125830_ctcole-mac07.crash</td>
<td>39.6 KB</td>
<td>09/22/2018</td>
<td>unixwizard (Clement Cole)</td>
</tr>
</tbody>
</table>