Segmentation fault in Ruby script cache_store.rb from homebrew on macOS Mojave

10/03/2018 04:06 PM - Dr.-Big-Man (Dr. Matthias H. Fröhlich)

Status: Third Party's Issue
Priority: Normal
Assignee:
Target version:
ruby -v:
  ruby 2.5.1p57 (2018-03-29 revision 63029) [x86_64-darwin17]
Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description
Execution of command 'brew doctor' from terminal (CLI) leads to Segmentation fault - complete copy of terminal output and files mentioned in the following snippet are attached:

/usr/local/Homebrew/Library/Homebrew/cache_store.rb:24: [BUG] Segmentation fault at 0x0000000105fffffe
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:0021 p:---- s:0120 e:000119 CFUNC :[]=  
  c:0020 p:0018 s:0115 e:000113 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:24
  c:0019 p:0029 s:0109 e:000108 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_cache_store.rb:38
  c:0018 p:0167 s:0105 E:0004e8 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_checker.rb:148
  c:0017 p:0187 s:0097 E:001ef8 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_checker.rb:25 [FINISH]
  c:0016 p:---- s:0089 e:000088 CFUNC :new
  c:0015 p:0019 s:0083 e:000082 BLOCK /usr/local/Homebrew/Library/Homebrew/formula.rb:1790
  c:0014 p:0024 s:0079 e:000078 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:17
  c:0013 p:0038 s:0073 e:000072 METHOD /usr/local/Homebrew/Library/Homebrew/linkage_cache_store.rb:17
  c:0012 p:0076 s:0068 e:000066 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:38
  c:0011 p:0012 s:0059 e:000058 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:1562
  c:0010 p:0022 s:0053 E:000052 METHOD /usr/local/Homebrew/Library/Homebrew/cache_store.rb:1568
  c:0009 p:0011 s:0048 e:000047 BLOCK /usr/local/Homebrew/Library/Homebrew/diagnostic.rb:13 [FINISH]
  c:0008 p:---- s:0044 e:000043 CFUNC :each
  c:0007 p:0019 s:0041 e:000040 METHOD /usr/local/Homebrew/Library/Homebrew/diagnostic.rb:12
  c:0006 p:0060 s:0035 e:000034 METHOD /usr/local/Homebrew/Library/Homebrew/diagnostic.rb:652
  c:0005 p:0085 s:0031 E:000030 BLOCK /usr/local/Homebrew/Library/Homebrew/cmd/doctor.rb:46 [FINISH]
  c:0004 p:---- s:0027 e:000026 CFUNC :each
  c:0003 p:0167 s:0024 E:000023 METHOD /usr/local/Homebrew/Library/Homebrew/cmd/doctor.rb:38
  c:0002 p:0704 s:0017 E:0004a8 EVAL /usr/local/Homebrew/Library/Homebrew/brew.rb:91 [FINISH]
  c:0001 p:0000 s:0002 E:001d80 (none) [FINISH]

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

History
#1 - 10/04/2018 03:40 AM - znz (Kazuhiro NISHIYAMA)
  - 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 an incompatibility or a bug which causes the failure or the segfaults, and we can't manage that library.
<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>Log at 2018-10-03 5-59-30 PM.txt</td>
<td>40.3 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
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<td>brew.rb</td>
<td>4.82 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
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<td>cache_store.rb</td>
<td>4.78 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
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<td>ruby_2018-10-03-175028_Slivery.crash</td>
<td>41.4 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
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