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: 
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:00115 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/linkage_checker.rb:1562
```
```
c:0011 p:0012 s:0059 e:000058 METHOD /usr/local/Homebrew/Library/Homebrew/formula.rb:1568
```
```
c:0010 p:0022 s:0053 E:000052 METHOD /usr/local/Homebrew/Library/Homebrew/formula.rb:1584
```
```
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

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>
</thead>
<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>
</tr>
<tr>
<td>brew.rb</td>
<td>4.82 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
</tr>
<tr>
<td>cache_store.rb</td>
<td>4.78 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
</tr>
<tr>
<td>ruby_2018-10-03-175028_SIVERY.crash</td>
<td>41.4 KB</td>
<td>10/03/2018</td>
<td>Dr.-Big-Man (Dr. Matthias H. Fröhlich)</td>
</tr>
</tbody>
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