Ruby master - Bug #18555

Running "bundle exec middleman server" on M1 Mac gives [BUG] Bus Error at 0x0000000104b04000

1/28/2022 01:37 AM - anthonyaykut (Anthony Aykut)

<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></td>
</tr>
<tr>
<td>Target version</td>
<td></td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.6.8p205 (2021-07-07 revision 67951) [universal.arm64e-darwin21]</td>
</tr>
<tr>
<td>Backport</td>
<td>2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN</td>
</tr>
</tbody>
</table>

Description

Hi All,

First of all, I am not a programmer or coder so I am having great difficulty solving this puzzle.

Since moving to a M1 Mac, I cannot get Slate API Docs (https://github.com/slatedocs/slate) to work, specifically the middleman component. I'm getting a huge error message while trying to run "bundle exec middleman server" and it is telling me to log a ticket and attach logs. So here I am. I hope someone can help. Crash report is attached, together with the lengthy terminal output. Summary is, when I run "bundle exec middleman server" I get the following; full text is in "terminal_output.txt".

/Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/ffi-1.15.5/lib/ffi/library.rb:275: [BUG] Bus Error at 0x0000000100594000
ruby 2.6.8p205 (2021-07-07 revision 67951) [universal.arm64e-darwin21]

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

Thanks,
Anthony

Related issues:
Related to Ruby master - Bug #18581: Pod Install Crashes
Has duplicate Ruby master - Bug #18612: ffi gem installed successfully but wh...
Has duplicate Ruby master - Bug #18778: Crash on MacOS 12.1 (Monterey) , M1 M...

History

#1 - 01/28/2022 01:47 AM - anthonyaykut (Anthony Aykut)
By the way, I have noticed that running
ruby -e 'require "rbconfig"; pp RbConfig::CONFIG' | grep "cpu"
gives me

"target_cpu"=>"universal",
"host_cpu"=>"x86_64",
"build_cpu"=>"x86_64",

my previous system was an Intel based Mac

#2 - 01/28/2022 01:51 AM - anthonyaykut (Anthony Aykut)
- File gem_env.txt added

Attaching my gem env output

#3 - 01/28/2022 02:18 AM - mame (Yusuke Endoh)

Could you try this? https://github.com/ffi/ffi/issues/800#issuecomment-1008308614

08/19/2022
Thank you -- so, I tried as suggested:

gem uninstall ffi

gem install ffi --enable-libffi-alloc

The uninstall went OK I think:

gem uninstall ffi

Ignoring redcarpet-3.5.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.5.0
Ignoring redcarpet-3.4.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.4.0
Ignoring sassc-2.3.0 because its extensions are not built. Try: gem pristine sassc --version 2.3.0
Ignoring sassc-2.0.1 because its extensions are not built. Try: gem pristine sassc --version 2.0.1

You have requested to uninstall the gem:

ffi-1.15.5

rb-inotify-0.10.1 depends on ffi (-> 1.0)
ruby-inotify-0.10.0 depends on ffi (-> 1.0)
sassc-2.3.0 depends on ffi (-> 1.9)
sassc-2.0.1 depends on ffi (-> 1.9)

If you remove this gem, these dependencies will not be met.

Continue with Uninstall? [yN] y

Successfully uninstalled ffi-1.15.5

But I get an invalid option: --enable-libffi-alloc error with

```ruby
gem install ffi --enable-libffi-alloc
```

Ignoring redcarpet-3.5.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.5.0
Ignoring redcarpet-3.4.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.4.0
Ignoring sassc-2.3.0 because its extensions are not built. Try: gem pristine sassc --version 2.3.0
Ignoring sassc-2.0.1 because its extensions are not built. Try: gem pristine sassc --version 2.0.1

ERROR: While executing gem ... (OptionParser::InvalidOption)

invalid option: --enable-libffi-alloc

#5 - 01/28/2022 07:41 AM - mame (Yusuke Endoh)

Ah, maybe it is a typo. Could you try gem install ffi --enable-libffi-alloc?

#6 - 01/28/2022 02:02 PM - anthonyaykut (Anthony Aykut)

mame (Yusuke Endoh) wrote in #note-5:

Ah, maybe it is a typo. Could you try gem install ffi --enable-libffi-alloc?

Yes, it was, but now I have a permissions error.

gem install ffi --enable-libffi-alloc

Ignoring redcarpet-3.5.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.5.0
Ignoring redcarpet-3.4.0 because its extensions are not built. Try: gem pristine redcarpet --version 3.4.0
Ignoring sassc-2.3.0 because its extensions are not built. Try: gem pristine sassc --version 2.3.0
Ignoring sassc-2.0.1 because its extensions are not built. Try: gem pristine sassc --version 2.0.1

ERROR: While executing gem ... (Gem::FilePermissionError)
You don't have write permissions for the /Library/Ruby/Gems/2.6.0 directory.

#7 - 01/28/2022 07:51 PM - mame (Yusuke Endoh)

If you are using bundler, try the second one.

bundle config build.ffi --enable-libffi-alloc

bundle install

I'm not familiar with bundler. I think you need to recompile ffi gem, but I am unsure if the command above does so. It would be good to remove the previously installed ffi gem but I have no idea how to do it. @deivid (David Rodríguez) Could you give an advice?

#8 - 01/28/2022 08:04 PM - anthonyaykut (Anthony Aykut)

mame (Yusuke Endoh) wrote in #note-7:
If you are using bundler, try the second one.

```
  bundle config build.ffi --enable-libffi-alloc
  bundle install
```

I'm not familiar with bundler. I think you need to recompile ffi gem, but I am unsure if the command above does so. It would be good to remove the previously installed ffi gem but I have no idea how to do it. @deivid [David Rodriguez] Could you give an advice?

Thanks. So... bundle config build.ffi --enable-libffi-alloc gave me:

```
Your application has set build.ffi to "--enable-libffi-alloc". This will override the global value you are currently setting
```

and then... bundle install:

```
Using concurrent-ruby 1.1.9
Using i18n 1.6.0
Using minitest 5.15.0
Using tzinfo 2.0.4
Using zeitwerk 2.5.4
Using active_support 6.1.4.4
Using public_suffix 4.0.6
Using addressable 2.8.0
Using backports 3.23.0
Using bundler 2.3.6
Using contracts 0.13.0
Using dotenv 2.7.6
Using erubis 2.7.0
Using execjs 2.8.1
Using fast_blank 1.0.1
Using fastimage 2.2.6
Using ffi 1.15.5
Using hamster 3.0.0
Using hashie 3.6.0
Using rb-fsevent 0.11.0
Using rb-inotify 0.10.1
Using listen 3.0.8
Using memoist 0.16.2
Using thor 1.2.1
Using middleman-cli 4.4.2
Using padrino-support 0.15.1
Using tilt 2.0.10
Using padrino-helpers 0.15.1
Using parallel 1.21.0
Using rack 2.2.3
Using sassc 2.4.0
Using servolux 0.13.0
Using parslet 2.0.0
Using toml 0.3.0
Using uglify 3.2.0
Using webrick 1.7.0
Using middleman-core 4.4.2
Bundle complete! 2 Gemfile dependencies, 37 gems now installed.
Bundled gems are installed into `./vendor/bundle`
```

so far so good, but when I do bundle exec middleman server, yet again:

```
/Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/ffi-1.15.5/lib/ffi/library.rb:275: [BUG] Bus Error at 0x0000000101020000
ruby 2.6.8p205 (2021-07-07 revision 67951) [universal.arm64e-darwin21]

-- Crash Report log information -----------------------------------------------
See Crash Report log file under the one of following:
  * ~/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:0043 p:----- s:0228 e:000227 CFUNC :attach
```

08/19/2022
-- Other runtime information  -----------------------------------------------

* Loaded script: /Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/bin/middleman

* Loaded features:
  0 enumerator.so
  1 thread.rb
  2 rational.so
  3 complex.so
  4 /System/Library/Frameworks/Ruby.framework/Versions/2.6/usr/lib/ruby/2.6.0/universal-darwin21/enc/encdb.bundle
  5 /System/Library/Frameworks/Ruby.framework/Versions/2.6/usr/lib/ruby/2.6.0/universal-darwin21/enc/transdb.bundle
  6 /System/Library/Frameworks/Ruby.framework/Versions/2.6/usr/lib/ruby/2.6.0/universal-darwin21/rbconfig.rb
  7 /Library/Ruby/Site/2.6.0/rubygems/compatibility.rb

08/19/2022
tput_style.rb
719 /Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/sassc-2.4.0/lib/sassc/native/string_list.rb

[NOTE]
You may have encountered a bug in the Ruby interpreter or extension libraries.
Bug reports are welcome.
For details: https://www.ruby-lang.org/bugreport.html

[IMPORTANT]
Don't forget to include the Crash Report log file under DiagnosticReports directory in bug reports.

zsh: abort bundle exec middleman server
And this time no crash report in ~/Library/Logs/DiagnosticReports.

#9 - 01/29/2022 05:24 AM - mame (Yusuke Endoh)
anthonyaykut (Anthony Aykut) wrote in #note-8:

and then... bundle install:

...

Using ffi 1.15.5
...

I think the command did not recompile ffi gem. Could you delete already-installed gems and retry bundle install?

bundle install

#10 - 01/29/2022 08:16 PM - anthonyaykut (Anthony Aykut)
mame (Yusuke Endoh) wrote in #note-9:

anthonyaykut (Anthony Aykut) wrote in #note-8:

and then... bundle install:

...

Using ffi 1.15.5
...

I think the command did not recompile ffi gem. Could you delete already-installed gems and retry bundle install?

bundle install

OK, I did as suggested... bundle install took a while to complete, but looked good. I tried to run bundle exec middleman server, but it complained about two missing gems (added pandoc-ruby and redcarpet) to Gemfile and ran bundle install. So far so goo. Now, I get a different error while trying to run middleman:

/Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/middleman-core-4.4.2/lib/middleman-core/extensions.rb:86:in `load': Unknown Extension: syntax. Check the name and make sure you have referenced the extension's gem in your Gemfile. (RuntimeError)
from /Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/middleman-core-4.4.2/lib/middleman-core/extension_manager.rb:51:in `activate'
from /System/Library/Frameworks/Ruby.framework/Versions/2.6/usr/lib/ruby/2.6.0/forwardable.rb:230:in `activate'
from /Users/aaykut/Documents/apidocs/slate/config.rb:24:in `evaluate_configuration!'
Right, I have an update -- I worked out that syntax was also a gem :) so in the end I added:

gem "middleman-syntax"
gem "middleman-sprockets"
gem "middleman-autoprefixer"
gem "nokogiri"

to get everything working! It’s alive!

bundle exec middleman server
== The Middleman is loading
== Sprockets will render css with SassC
== View your site at "http://localhost:4567", "http://127.0.0.1:4567"
== Inspect your site configuration at "http://localhost:4567/__middleman", "http://127.0.0.1:4567/__middleman"

Thank you so very much in getting this to work again!!

#12 - 01/31/2022 12:31 AM - hsbt (Hiroshi SHIBATA)
- Status changed from Open to Closed

#13 - 01/31/2022 01:55 AM - mame (Yusuke Endoh)
@anthonyaykut (Anthony Aykut) Thank you for your cooperation! Because there are many bug reports about the issue of ffi with M1, this will be a great solution case.

#14 - 02/11/2022 02:43 AM - mame (Yusuke Endoh)
- Related to Bug #18581: Pod Install Crashes added

#15 - 03/08/2022 07:23 AM - mame (Yusuke Endoh)
- Has duplicate Bug #18612: ffi gem installed successfully but while using raises Bus Error. added

#16 - 05/13/2022 09:54 AM - mame (Yusuke Endoh)
- Has duplicate Bug #18778: Crash on MacOS 12.1 (Monterey), M1 Max CPU added