### Ruby master - Bug #18555

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

01/28/2022 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</td>
</tr>
</tbody>
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#### 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".

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

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

```
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

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

```
gen 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
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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

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.

```
gen 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

Fetching ffi-1.15.5.gem

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

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?
If you are using bundler, try the second one.

```bash
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:

```bash
Using concurrent-ruby 1.1.9
Using il8n 1.6.0
Using minitest 5.15.0
Using tzinfo 2.0.4
Using zeitwerk 2.5.4
Using activesupport 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 uglifier 3.2.0
Using webbrick 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:

```bash
/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]
```

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  * /Library/Logs/DiagnosticReports
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Don't forget to include the above Crash Report log file in bug reports.

-- Control frame information -----------------------------------------------
```bash
c:0043 p:---- s:0228 e:000227 CFUNC :attach
```

08/14/2022
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!'  
  from /Users/aaykut/Documents/apidocs/slate/vendor/bundle/ruby/2.6.0/gems/middleman-core-4.4.2/lib/middleman-c
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!!