

Ruby master - Misc #17174

"Error relocating, symbol not found" error when compiling a native extension on Alpine with Ruby >=2.4

09/16/2020 05:29 AM - Nakilon (Victor Maslov)

Status:	Open
Priority:	Normal
Assignee:	
Description	
<p>My native extension gem compiles fine with all versions of Ruby on macOS but only with Ruby 2.3 on Alpine. It throws various Error relocating, symbol not found when I require the .o file. Here I made a branch to reproduce it in Docker quickly.</p>	
<pre>git clone https://github.com/Nakilon/dhash-vips.git --branch alpine-compilation-issues alpine-compilation-issues && cd alpine-compilation-issues</pre>	
<pre># compiles and does not fail on require docker build -t temp-ruby2.3.8 --build-arg RUBY_VERSION=2.3.8 --build-arg ALPINE_VERSION=3.8 <Dockerfile</pre>	
<pre># Error relocating /dhash-vips/idhash.so: rb_deprecate_constant: symbol not found - /dhash-vips/idhash.so (LoadError) docker build -t temp-ruby2.4.10 --build-arg RUBY_VERSION=2.4.10 --build-arg ALPINE_VERSION=3.11 <Dockerfile</pre>	
<pre># Error relocating /dhash-vips/idhash.so: rb_int_modulo: symbol not found - /dhash-vips/idhash.so (LoadError) docker build -t temp-ruby2.5.8 --build-arg RUBY_VERSION=2.5.8 --build-arg ALPINE_VERSION=3.12 <Dockerfile</pre>	
<pre># Error relocating /dhash-vips/idhash.so: rb_int_pow: symbol not found - /dhash-vips/idhash.so (LoadError) docker build -t temp-ruby2.6.6 --build-arg RUBY_VERSION=2.6.6 --build-arg ALPINE_VERSION=3.12 <Dockerfile</pre>	
<p>I wanted to ask in the Mailing List but for some reason my email didn't reach it. Guy on Freenode recommended to post here.</p>	

History

#1 - 10/06/2020 11:19 AM - Nakilon (Victor Maslov)

Nakilon (Victor Maslov) wrote:

```
docker build -t temp-ruby2.3.8 --build-arg RUBY_VERSION=2.3.8 --build-arg ALPINE_VERSION=3.8 <Dockerfile
```

Also tried the same version of Alpine but higher Ruby -- ruby:2.4.6-alpine3.8 -- got the same

```
in `require_relative': Error relocating /dhash-vips/idhash.so: rb_deprecate_constant: symbol not found
```

that as I suppose confirms that it's not just Alpine/musl issue but something has changed in Ruby since 2.4

Meanwhile ruby:slim docker images work fine (tested 2.4.9 and 2.7.2) but they are too large...