

Ruby - Bug #18263

"make install" crashed when Ruby3.0.2 clean install. (in japanese)

10/22/2021 12:25 PM - tksoth (TAKASHI OOTANI)

Status:	Third Party's Issue	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.0.2p107 (2021-07-07 revision 0db68f0233) [x86_64-linux]	Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

Description

gem update gem

/usr/local/lib/ruby/gems/3.0.0/gems/psych-4.0.2/lib/psych.rb:455: [BUG] Segmentation fault at 0xffffffff9ade4120
ruby 3.0.2p107 (2021-07-07 revision 0db68f0233) [x86_64-linux]

OS CentOS Linux release 8.4.2105

gem update gem clean
gem OS

dnf install update
OS

PATH/usr/local/bin
tar.gz--prefixconfigure
make install
gem update

configuremakemake testmake check
make installdnf list

gem update

fileutils-1.6.0/
io-wait-0.2.0/
net-http-0.2.0/
net-protocol-0.1.2/
optparse-0.2.0/
ostruct-0.5.0/
pp-0.2.1/
prettyprint-0.1.1/
readline-ext-0.1.3/
rinda-0.1.1/
securerandom-0.1.1/
stringio-3.0.1/
uri-0.11.0/
net-ftp-0.1.2/
minitest-5.14.2/
power_assert-1.2.0/
rake-13.0.3/

History

#1 - 10/23/2021 06:03 AM - xtkoba (Tee KOBAYASHI)

From LOG.make:

```
compiling ../../ext/psych/yaml/api.c
../../ext/psych/yaml/api.c:  'yaml_strdup' :
../../ext/psych/yaml/api.c:66:27:  : implicit declaration of function 'strdup'; did you mean 'cmp'? [-Wimpl
```

```

iclit-function-declaration]
    return (yaml_char_t *)strdup((char *)str);
                                ^~~~~~
                                strcmp
../.././ext/psych/yaml/api.c:66:12: 00: 000000000000000000000000 [-Wint-to-pointer-cast]
    return (yaml_char_t *)strdup((char *)str);
            ^

```

The compiler assumes that `strdup(3)` is implicitly declared as `int strdup()`;; which is of course not correct and should be instead as follows:

```
char *strdup(const char *s);
```

I have no idea as to why `strdup(3)` is not declared here. For instance, on my GNU/Linux environment it is declared in `<string.h>` which is included (indirectly) in `ext/psych/yaml/api.c`.

A workaround would be to add the correct declaration in `ext/psych/yaml/api.c`.

#2 - 10/24/2021 08:54 AM - xtkoba (Tee KOBAYASHI)

Gotcha.

```
CFLAGS = -std=c99 -pedantic -Wall
```

strdup(3) is not declared because of -std=c99. Try instead with -std=gnu99. You can alternatively append -D_DEFAULT_SOURCE to make it declared.

You may also have an option to install libyaml-devel distributed by CentOS to avoid building libyaml which is bundled in a Ruby source tarball.

#3 - 10/24/2021 02:42 PM - tksoth (TAKASHI OOTANI)

Thank you xtkoba san.

After "dnf install libyaml-devel", "make install" and "make check" now completed without crash. and "gem list" etc. also completed normally.

"make check" still has some errors,

Finished tests in 2156.244216s, 9.7883 tests/s, 1238.1214 assertions/s.
21106 tests, 2669692 assertions, 188 failures, 14 errors, 52 skips

but for the time being, the troubles have been resolved.

thank you very much.

#4 - 10/25/2021 06:27 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Third Party's Issue

It looks like this may be an issue with the embedded version of libyaml that Ruby ships. If so, it should be fixed upstream in libyaml (<https://github.com/yaml/libyaml>), and then a pull request or issue should be filed to <https://github.com/ruby/psych> to update the embedded copy.

Files

LOG.tar.gz	243 KB	10/22/2021	tksoth (TAKASHI OOTANI)
------------	--------	------------	-------------------------