

Ruby - Bug #18072

Build error with "./configure --enable-shared"

08/09/2021 03:48 PM - jaruga (Jun Aruga)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:		
		Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

Description

I just hit the build error by make on my machine Fedora 34 on the latest master 9ed196e4876dd15991feee27e7dce1b67783060f .

```
$ cat /etc/fedora-release
Fedora release 34 (Thirty Four)
$ rpm -q gcc
gcc-11.2.1-1.fc34.x86_64
$ gcc --version
gcc (GCC) 11.2.1 20210728 (Red Hat 11.2.1-1)
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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

$ autoconf

$ ./configure --enable-shared

$ make
BASERUBY = /usr/local/ruby-3.0.2/bin/ruby --disable=gems
CC = gcc
LD = ld
LDSSHARED = gcc -shared
CFLAGS = -O3 -fno-fast-math -ggdb3 -Wall -Wextra -Werror=deprecated-declarations -Werror=duplicat
ed-cond -Werror=implicit-function-declaration -Werror=implicit-int -Werror=misleading-indentation
-Werror=pointer-arith -Werror=write-strings -Wimplicit-fallthrough=0 -Wmissing-noreturn -Wno-cast-
function-type -Wno-constant-logical-operand -Wno-long-long -Wno-missing-field-initializers -Wno-ov
erlength-strings -Wno-packed-bitfield-compat -Wno-parentheses-equality -Wno-self-assign -Wno-tauto
logical-compare -Wno-unused-parameter -Wno-unused-value -Wsuggest-attribute=format -Wsuggest-attri
bute=noreturn -Wunused-variable -Werror=undef -std=gnu99 -fPIC
XCFLAGS = -D_FORTIFY_SOURCE=2 -fstack-protector-strong -fno-strict-overflow -DRUBY_DEVEL=1 -fvisi
bility=hidden -fexcess-precision=standard -DRUBY_EXPORT -I. -I.ext/include/x86_64-linux -I./includ
e -I. -I./enc/unicode/13.0.0
CPPFLAGS =
DLDFLAGS = -Wl,--compress-debug-sections=zlib -Wl,-soname,libruby.so.3.1 -fstack-protector-stron
g
SOLIBS = -lz -lpthread -lrt -lrt -lgmp -ldl -lcrypt -lm
LANG = en_US.UTF-8
LC_ALL = en_US.UTF-8
LC_CTYPE =
MFLAGS =
gcc (GCC) 11.2.1 20210728 (Red Hat 11.2.1-1)
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This is free software; see the source for copying conditions.  There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

compiling ./main.c
...
building rb_mjit_header.h
./miniruby -I./lib -I. -I.ext/common ./tool/mjit_tabs.rb "" \
gcc -E -DMJIT_HEADER -P -dD -O3 -fno-fast-math -ggdb3 -Wall -Wextra -Werror=deprecated-declarati
ons -Werror=duplicated-cond -Werror=implicit-function-declaration -Werror=implicit-int -Werror=mis
leading-indentation -Werror=pointer-arith -Werror=write-strings -Wimplicit-fallthrough=0 -Wmissing
```

```

-noreturn -Wno-cast-function-type -Wno-constant-logical-operand -Wno-long-long -Wno-missing-field-
initializers -Wno-overlength-strings -Wno-packed-bitfield-compat -Wno-parentheses-equality -Wno-se
lf-assign -Wno-tautological-compare -Wno-unused-parameter -Wno-unused-value -Wsuggest-attribute=fo
rmat -Wsuggest-attribute=noreturn -Wunused-variable -Werror=undef -std=gnu99 -fPIC -D_FORTIFY_SO
URCE=2 -fstack-protector-strong -fno-strict-overflow -DRUBY_DEVEL=1 -fvisibility=hidden -fexcess-p
recision=standard -DRUBY_EXPORT -I. -I.ext/include/x86_64-linux -I./include -I. -I./enc/unicode/13
.0.0 ./vm.c >rb_mjit_header.h.new
rb_mjit_header.h updated
building .ext/include/x86_64-linux/rb_mjit_min_header-3.1.0.h
./miniruby -I./lib -I. -I.ext/common ./tool/transform_mjit_header.rb "gcc -O3 -fno-fast-math -ggd
b3 -Wall -Wextra -Werror=deprecated-declarations -Werror=duplicated-cond -Werror=implicit-function
-declaration -Werror=implicit-int -Werror=misleading-indentation -Werror=pointer-arith -Werror=wri
te-strings -Wimplicit-fallthrough=0 -Wmissing-noreturn -Wno-cast-function-type -Wno-constant-logic
al-operand -Wno-long-long -Wno-missing-field-initializers -Wno-overlength-strings -Wno-packed-bitf
ield-compat -Wno-parentheses-equality -Wno-self-assign -Wno-tautological-compare -Wno-unused-param
eter -Wno-unused-value -Wsuggest-attribute=format -Wsuggest-attribute=noreturn -Wunused-variable -
Werror=undef -std=gnu99 -fPIC -w" rb_mjit_header.h .ext/include/x86_64-linux/rb_mjit_min_header-
3.1.0.h
transform_mjit_header: making external definition static inline: rb_vm_lvar_exposed, Init_vm_stack
_canary, rb_vm_opt_cfunc_p, rb_find_defined_class_by_owner, rb_vm_rewrite_cref, rb_vm_block_ep_upd
ate, rb_vm_cref_new_toplevel, rb_vm_frame_block_handler, rb_vm_cframe_keyword_p, rb_vm_ep_local_ep
transform_mjit_header: making declaration static inline: rb_vm_lvar_exposed, Init_vm_stack_canary,
rb_vm_rewrite_cref, rb_vm_frame_block_handler, rb_vm_block_ep_update, rb_vm_ep_local_ep
transform_mjit_header: SKIPPED to transform: getlogin_r, pread64, pread, read, bsearch, fread_unlo
cked, fgets_unlocked, fread, fgets, vdprintf, dprintf, vfprintf, vprintf, printf, fprintf, getline
, putchar_unlocked, putc_unlocked, fputc_unlocked, putchar, getchar_unlocked, getc_unlocked, fgetc
_unlocked, getchar
ln -sf ../../../../.ext/include/x86_64-linux/rb_mjit_min_header-3.1.0.h include/ruby-3.1.0/x86_64-lin
ux/rb_mjit_min_header-3.1.0.h
config.status: creating ruby-runner.h
making mjit_build_dir.so
generating x86_64-linux-fake.rb
x86_64-linux-fake.rb updated
make: Circular spec/ruby/optional/capi/ext/array_spec.c <- exts dependency dropped.
./miniruby -I./lib -I. -I.ext/common ./tool/runruby.rb --extout=.ext -- --disable-gems -r./x86_6
4-linux-fake ./spec/mspec/bin/mspec-run -B ./spec/default.mspec ./spec/ruby/optional/capi/ext/arr
ay_spec.c
Could not find spec file ./spec/ruby/optional/capi/ext/array_spec.c
make: *** [defs/gmake.mk:360: spec/ruby/optional/capi/ext/array_spec.c] Error 1

```

I could build on the master 1cb5a669d39fe741388be7ac45fc88c336b097cf last week.

So, the cause could be a commit between those commits.

```
$ git diff 1cb5a669d39fe741388be7ac45fc88c336b097cf..9ed196e4876dd15991feee27e7dce1b67783060f
```

Associated revisions

Revision e3dcb6204d66c62aedaf94cac336d93d0275ce2c - 08/10/2021 05:22 AM - nobu (Nobuyoshi Nakada)

Run only directories or *_spec.rb files only by mspec [Bug #18072]

Not to match *.c files under spec/ruby/optional/capi/ext, in the case of in-place build.

Revision e3dcb6204d66c62aedaf94cac336d93d0275ce2c - 08/10/2021 05:22 AM - nobu (Nobuyoshi Nakada)

Run only directories or *_spec.rb files only by mspec [Bug #18072]

Not to match *.c files under spec/ruby/optional/capi/ext, in the case of in-place build.

Revision e3dcb620 - 08/10/2021 05:22 AM - nobu (Nobuyoshi Nakada)

Run only directories or *_spec.rb files only by mspec [Bug #18072]

Not to match *.c files under spec/ruby/optional/capi/ext, in the case of in-place build.

History

#1 - 08/09/2021 04:02 PM - jaruga (Jun Aruga)

I see the build error happens on the following commit. While it works on the previous commit. Maybe the commit causes the build error. Do you have any idea to fix it?

Build rubyspec CAPI extensions

<https://github.com/ruby/ruby/commit/bda56a03a625793cb3fd110458c3f7323d73705e>

#2 - 08/09/2021 09:22 PM - Eregon (Benoit Daloze)

- Assignee set to nobu (Nobuyoshi Nakada)

[@nobu \(Nobuyoshi Nakada\)](#) What's the reason to build C API specs extensions eagerly?
Can't we let ruby/spec build them at runtime as normal?

#3 - 08/10/2021 02:53 AM - nobu (Nobuyoshi Nakada)

jaruga (Jun Aruga) wrote:

```
make: Circular spec/ruby/optional/capi/ext/array_spec.c <- exts dependency dropped.
./miniruby -I./lib -I. -I.ext/common ./tool/runruby.rb --extout=.ext -- --disable-gems -r./x86_64-linux-
fake ./spec/mspec/bin/mspec-run -B ./spec/default.mspec ./spec/ruby/optional/capi/ext/array_spec.c
Could not find spec file ./spec/ruby/optional/capi/ext/array_spec.c
make: *** [defs/gmake.mk:360: spec/ruby/optional/capi/ext/array_spec.c] Error 1
```

The target at defs/gmake.mk:359 is spec/%, seems miss-firing *.c files.
I've missed the in-place build case.

Eregon (Benoit Daloze) wrote in [#note-2](#):

[@nobu \(Nobuyoshi Nakada\)](#) What's the reason to build C API specs extensions eagerly?
Can't we let ruby/spec build them at runtime as normal?

As compilation warnings were discarded and ignored.

#4 - 08/10/2021 05:23 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset [git|e3dcb6204d66c62aedaf94cac336d93d0275ce2c](https://github.com/ruby/ruby/commit/e3dcb6204d66c62aedaf94cac336d93d0275ce2c).

Run only directories or *_spec.rb files only by mspec [Bug [#18072](#)]

Not to match *.c files under spec/ruby/optional/capi/ext, in the
case of in-place build.

#5 - 08/10/2021 07:11 AM - jaruga (Jun Aruga)

- Subject changed from Build error on Fedora 34 x86_64 to Build error with "./configure --enable-shared"

#6 - 08/10/2021 07:40 AM - jaruga (Jun Aruga)

Thanks for the fix! I confirmed I was able to build on the latest master.