

Ruby trunk - Bug #15292

Since r64852, on Solaris with Oracle Developer Studio 12.6, compile error of iseq.c

11/09/2018 02:35 PM - ngoto (Naohisa Goto)

Status:	Third Party's Issue	
Priority:	Normal	
Assignee:	ngoto (Naohisa Goto)	
Target version:		
ruby -v:		Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN

Description

r64852 Oracle Developer Studio 12.6 iseq.c r65641

```
cc -errtags=yes -xO4 -xtarget=sparc64xplus -m64 -DRUBY_DEVEL=1 -DRUBY_EXPORT -DCANONICALIZATION_F
OR_MATHN -I/usr/local/64/lib/libffi-3.0.10/include -I/usr/local/64/include -D_XOPEN_SOURCE=600
-I. -I.ext/include/sparc64-solaris2.10 -I./include -I. -I./enc/unicode/10.0.0 -o iseq.o -c iseq.c
"iseq.c", line 579: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 578
"iseq.c", line 580: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 579
"iseq.c", line 581: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 580
"iseq.c", line 582: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 581
"iseq.c", line 583: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 582
"iseq.c", line 584: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 583
"iseq.c", line 585: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 584
"iseq.c", line 586: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 585
"iseq.c", line 587: identifier redefined: flag
    current : unsigned long
    previous: unsigned long : "iseq.c", line 586
"iseq.c", line 705: warning: operands have incompatible types:
    const struct rb_compile_option_struct {unsigned int inline_const_cache :1, unsigned int peeph
ole_optimization :1, unsigned int tailcall_optimization :1, unsigned int specialized_instruction :
1, unsigned int operands_unification :1, unsigned int instructions_unification :1, unsigned int st
ack_caching :1, unsigned int frozen_string_literal :1, unsigned int debug_frozen_string_literal :1
, unsigned int coverage_enabled :1, int debug_level} ":" struct rb_compile_option_struct {unsigned
int inline_const_cache :1, unsigned int peephole_optimization :1, unsigned int tailcall_optimizat
ion :1, unsigned int specialized_instruction :1, unsigned int operands_unification :1, unsigned in
t instructions_unification :1, unsigned int stack_caching :1, unsigned int frozen_string_literal :
1, unsigned int debug_frozen_string_literal :1, unsigned int coverage_enabled :1, int debug_level}
(E_OPERANDS_INCOMPATIBLE_TYPES)
"iseq.c", line 1976: warning: statement not reached (E_STATEMENT_NOT_REACHED)
"iseq.c", line 2389: warning: statement not reached (E_STATEMENT_NOT_REACHED)
cc: acomp failed for iseq.c
make: *** [iseq.o] Error 2
```

flag Oracle Developer Studio 12.6
Oracle Developer Studio 12.5

Oracle Solaris Studio 12.4

C do-while(0)

```
--- iseq.c      (revision 65645)
+++ iseq.c      (working copy)
@@ -567,14 +567,14 @@
 set_compile_option_from_hash(rb_compile_option_t *option, VALUE opt)
 {
 #define SET_COMPILE_OPTION(o, h, mem) \
- { VALUE flag = rb_hash_aref((h), ID2SYM(rb_intern(#mem))); \
+ do { VALUE flag = rb_hash_aref((h), ID2SYM(rb_intern(#mem))); \
     if (flag == Qtrue) { (o)->mem = 1; } \
     else if (flag == Qfalse) { (o)->mem = 0; } \
- }
+ } while (0)
 #define SET_COMPILE_OPTION_NUM(o, h, mem) \
- { VALUE num = rb_hash_aref(opt, ID2SYM(rb_intern(#mem))); \
+ do { VALUE num = rb_hash_aref(opt, ID2SYM(rb_intern(#mem))); \
     if (!NIL_P(num)) (o)->mem = NUM2INT(num); \
- }
+ } while (0)
     SET_COMPILE_OPTION(option, opt, inline_const_cache);
     SET_COMPILE_OPTION(option, opt, peephole_optimization);
     SET_COMPILE_OPTION(option, opt, tailcall_optimization);
```

Related issues:

Related to Ruby trunk - Bug #15293: Since r64852, on Solaris with Oracle Deve... Closed

History

#1 - 11/09/2018 02:58 PM - ngoto (Naohisa Goto)

- Related to Bug #15293: Since r64852, on Solaris with Oracle Developer Studio 12.4, syntax error added

#2 - 11/10/2018 11:28 AM - ngoto (Naohisa Goto)

iseq.c

```
cc -errtags=yes -xO4 -xtarget=sparc64xplus -m64 -L. -L/usr/local/64/lib -R/usr/local/64/lib main.o dmydln.o
miniinit.o dmyext.o miniprelude.o array.o ast.o bignum.o class.o compar.o compile.o complex.o cont.o debug.o
debug_counter.o dir.o dln_find.o encoding.o enum.o enumerator.o error.o eval.o file.o gc.o hash.o inits.o io.o
iseq.o load.o marshal.o math.o mjit.o mjit_compile.o node.o numeric.o object.o parse.o proc.o process.o
random.o range.o rational.o re.o regcomp.o regenc.o regerror.o regexec.o regparse.o regsyntax.o ruby.o safe.o
signal.o sprintf.o st.o strftime.o string.o struct.o symbol.o thread.o time.o transcode.o transient_heap.o u
til.o variable.o version.o vm.o vm_backtrace.o vm_dump.o vm_trace.o probes.o enc/ascii.o enc/us_ascii.o enc/un
icode.o enc/utf_8.o enc/trans/newline.o sparc.o explicit_bzero.o flock.o isinf.o setproctitle.o addr2line.o -
lpthread -lrt -lrt -lrt -lgmp -lsocket -ldl -lcrypt -lm -lm -o miniruby
Undefined                               first referenced
symbol                                  in file
.L10394                                 iseq.o
.L10395                                 iseq.o
.L10396                                 iseq.o
.L10397                                 iseq.o
.L10398                                 iseq.o
.L10399                                 iseq.o
.L10400                                 iseq.o
.L10401                                 iseq.o
.L10402                                 iseq.o
.L10403                                 iseq.o
ld: fatal: symbol referencing errors. No output written to miniruby
make: *** [miniruby] Error 2
```

#3 - 12/10/2018 11:47 PM - naruse (Yui NARUSE)

- Status changed from Open to Third Party's Issue

Oracle Developer Studio 12.6 Beta

#4 - 12/11/2018 12:36 AM - ngoto (Naohisa Goto)

20177

<https://www.oracle.com/technetwork/server-storage/developerstudio/downloads/index.html>

Oracle

Workaroud