

Ruby - Bug #12383

Warnings when compiling proc.c on cygwin

05/15/2016 03:02 AM - duerst (Martin Dürst)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:	ruby 2.4.0dev (2016-05-15 trunk 55004) [x86_64-cygwin]	Backport: 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONTNEED

Description

When compiling ruby on cygwin, I get the following warnings for proc.c:

```
compiling proc.c
proc.c: In function 'call_method_data_safe':
proc.c:1984:11: warning: variable 'result' might be clobbered by 'longjmp' or 'vfork' [-Wclobbered]
    VALUE result = Qnil; /* OK */
    ^
proc.c: At top level:
cc1: warning: unrecognized command line option '-Wno-self-assign'
cc1: warning: unrecognized command line option '-Wno-constant-logical-operand'
cc1: warning: unrecognized command line option '-Wno-parentheses-equality'
cc1: warning: unrecognized command line option '-Wno-tautological-compare'
compiling random.c
```

Associated revisions

Revision 565241f11f5d217631ed1e8bbafec7a088bed654 - 05/17/2016 02:58 AM - nobu (Nobuyoshi Nakada)

configure.in: declare as NORETURN

- configure.in (RUBY_CHECK_BUILTIN_SETJMP): declare t as NORETURN to suppress warnings by -Wsuggest-attribute=noreturn. [ruby-core:75510] [Bug #12383]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@55023 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 565241f1 - 05/17/2016 02:58 AM - nobu (Nobuyoshi Nakada)

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History

#1 - 05/15/2016 01:24 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback
- Description updated

I don't see that warning, with optflags=-O0 .. -O3.

```
$ LANG=C gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-pc-cygwin/5.3.0/lto-wrapper.exe
Target: x86_64-pc-cygwin
Configured with: /cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-5.x86_64/src/gcc-5.3.0/configure --srcdir=/cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-5.x86_64/src/gcc-5.3.0 --prefix=/usr --exec-prefix=/usr --localstatedir=/var --sysconfdir=/etc --docdir=/usr/share/doc/gcc --htmldir=/usr/share/doc/gcc/html -C --build=x86_64-pc-cygwin --host=x86_64-pc-cygwin --target=x86_64-pc-cygwin --without-libconv-prefix --without-libintl-prefix --libexecdir=/usr/lib -
```

```
--enable-shared --enable-shared-libgcc --enable-static --enable-version-specific-runtime-libs --enable-bootstrap --enable-__cxa_atexit --with-dwarf2 --with-tune=generic --enable-languages=ada,c,c++,fortran,lto,objc,obj-c++ --enable-graphite --enable-threads=posix --enable-libatomic --enable-libcilkrts --enable-libgomp --enable-libitm --enable-libquadmath --enable-libquadmath-support --enable-libssp --enable-libada --enable-libgcj-sublibs --disable-java-awt --disable-symvers --with-ecj-jar=/usr/share/java/ecj.jar --with-gnu-ld --with-gnu-as --with-hclog-include=/usr/include/clog-isl --without-libiconv-prefix --without-libintl-prefix --with-system-zlib --enable-linker-build-id --with-default-libstdcxx-abi=gcc4-compatible
Thread model: posix
gcc version 5.3.0 (GCC)
```

#2 - 05/16/2016 10:23 AM - duerst (Martin Dürst)

- Status changed from Feedback to Open

Here's my gcc version information:

```
$ gcc -v
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-pc-cygwin/5.3.0/lto-wrapper.exe
Target: x86_64-pc-cygwin
Configured with: /cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-3.x86_64/src/gcc-5.3.0/configure --srcdir=/cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-3.x86_64/src/gcc-5.3.0 --prefix=/usr --exec-prefix=/usr --localstatedir=/var --sysconfdir=/etc --docdir=/usr/share/doc/gcc --htmldir=/usr/share/doc/gcc/html -C --build=x86_64-pc-cygwin --host=x86_64-pc-cygwin --target=x86_64-pc-cygwin --without-libiconv-prefix --without-libintl-prefix --libexecdir=/usr/lib --enable-shared --enable-shared-libgcc --enable-static --enable-version-specific-runtime-libs --enable-bootstrap --enable-__cxa_atexit --with-dwarf2 --with-tune=generic --enable-languages=ada,c,c++,fortran,lto,objc,obj-c++ --enable-graphite --enable-threads=posix --enable-libatomic --enable-libcilkrts --enable-libgomp --enable-libitm --enable-libquadmath --enable-libquadmath-support --enable-libssp --enable-libada --enable-libgcj-sublibs --disable-java-awt --disable-symvers --with-ecj-jar=/usr/share/java/ecj.jar --with-gnu-ld --with-gnu-as --with-hclog-include=/usr/include/clog-isl --without-libiconv-prefix --without-libintl-prefix --with-system-zlib --enable-linker-build-id --with-default-libstdcxx-abi=gcc4-compatible
Thread model: posix
gcc version 5.3.0 (GCC)
```

And here are the settings used in my case:

```
configure: creating ./config.status
```

```
---
```

Configuration summary for ruby version 2.4.0

```
* Installation prefix: /usr/local
* exec prefix:      ${prefix}
* arch:             x86_64-cygwin
* site arch:        ${arch}
* RUBY_BASE_NAME:    ruby
* enable shared:     yes
* ruby lib prefix:   ${libdir}/${RUBY_BASE_NAME}
* site libraries path: ${rubylibprefix}/${sitearch}
* vendor path:       ${rubylibprefix}/vendor_ruby
* target OS:         cygwin
* compiler:          gcc
* with pthread:      yes
* enable shared libs: yes
* dynamic library ext: so
* CFLAGS:            ${optflags} ${debugflags} ${warnflags}
* LDFLAGS:            -L. -fstack-protector
* optflags:          -O3 -fno-fast-math -fexcess-precision=standard
* debugflags:        -ggdb3
* warnflags:         -Wall -Wextra -Wno-unused-parameter \
                    -Wno-parentheses -Wno-long-long \
                    -Wno-missing-field-initializers \
                    -Wno-tautological-compare \
                    -Wno-parentheses-equality \
                    -Wno-constant-logical-operand -Wno-self-assign \
                    -Wunused-variable -Werror=implicit-int \
                    -Werror=pointer-arith -Werror=write-strings \
                    -Werror=declaration-after-statement \
                    -Werror=implicit-function-declaration \
                    -Werror=deprecated-declarations \
                    -Wno-packed-bitfield-compat \
                    -Wsuggest-attribute=noreturn \
                    -Wsuggest-attribute=format \
                    -Wno-maybe-uninitialized
* strip command:     strip
```

```
* install doc:      no
* man page type:    doc
```

#3 - 05/16/2016 10:57 AM - nobu (Nobuyoshi Nakada)

```
/cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-3.x86_64/src/gcc-5.3.0/configure
```

Seems older a little.

#4 - 05/16/2016 11:14 AM - duerst (Martin Dürst)

I updated to

```
/cygdrive/i/szsz/tmp/gcc/gcc-5.3.0-5.x86_64/src/gcc-5.3.0/configure
```

but the error persists.

#5 - 05/16/2016 01:27 PM - rhenium (Kazuki Yamaguchi)

I'm also seeing the warning on my Linux box with GCC 6.1.1/5.3.0. Removing "-Wsuggest-attribute=noreturn" from configure.in fixes for me. There is a difference in configure output.

With -Wsuggest-attribute=noreturn:

```
checking for __builtin_setjmp... no
checking for setjmp type... _setjmp
```

Without -Wsuggest-attribute=noreturn:

```
checking for __builtin_setjmp... yes with cast ()
checking for setjmp type... __builtin_setjmp
```

The problem is in the check program. -Wsuggest-attribute=noreturn suggests adding noreturn to t(), but this is compiled with -Werror and check fails.

```
#include <setjmp.h>
#include <stdio.h>

jmp_buf jb;
void t(void) {__builtin_longjmp((void **) jb, 1);}
int jump(void) {(void) (__builtin_setjmp((void **) jb) ? 1 : 0); return 0;}

int main(void)
{
    void (*volatile f)(void) = t;
    if (!jump()) printf("%d\n", f != 0);
    return 0;
}
```

#6 - 05/17/2016 02:58 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r55023.

configure.in: declare as NORETURN

- configure.in (RUBY_CHECK_BUILTIN_SETJMP): declare t as NORETURN to suppress warnings by -Wsuggest-attribute=noreturn.
[\[ruby-core:75510\]](#) [Bug [#12383](#)]

#7 - 06/08/2016 05:16 AM - usa (Usaku NAKAMURA)

- Backport changed from 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN to 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONTNEED