

Ruby - Bug #805

Ruby 1.9.1 preview 2 : build failure on OpenSolaris

12/02/2008 01:55 AM - daesan (Dae San Hwang)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		
Description		
<pre>=begin I got the following error while building 1.9.1 preview 2 on OpenSolaris 5.11 snv_98. (1.9.1 preview 1 was built fine on OpenSolaris.) It was configured with the following: ./configure --build=x86_64-sun-solaris10 --prefix=/usr/local CFLAGS="-m64" LDFLAGS="-m64" -- compiling curses make[1]: Entering directory /usr/local/src/ruby-1.9.1-preview2/ext/curses' gcc -I. -I../ext/include/x86_64-solaris10 -I../ext/include -I../ext/curses -DRUBY_EXTCONF_H=\"extconf.h\" -fPIC -m64 -O2 -g -Wall -Wno-parentheses -o curses.o -c curses.c curses.c:419:18: macro "ISPRINT" requires 2 arguments, but only 1 given curses.c: In function curses_getch': curses.c:419: error: ISPRINT' undeclared (first use in this function) curses.c:419: error: (Each undeclared identifier is reported only once curses.c:419: error: for each function it appears in.) curses.c:1113:18: macro "ISPRINT" requires 2 arguments, but only 1 given curses.c: In function window_getch': curses.c:1113: error: ISPRINT' undeclared (first use in this function) make[1]: *** [curses.o] Error 1 make[1]: Leaving directory /usr/local/src/ruby-1.9.1-preview2/ext/curses' make: *** [exts] Error 1 =end</pre>		

History

#1 - 12/02/2008 04:47 PM - nobu (Nobuyoshi Nakada)

```
=begin
Hi,

At Tue, 2 Dec 2008 01:50:41 +0900,
Dae San Hwang wrote in \[ruby-core:20189\]:

    compiling curses
    make[1]: Entering directory `usr/local/src/ruby-1.9.1-preview2/ext/curses'
    gcc -I. -I../ext/include/x86_64-solaris10 -I../ext/include -I../ext/curses -DRUBY_EXTCONF_H="extconf.h" -fPIC -m64 -O2 -g -Wall
    -Wno-parentheses -o curses.o -c curses.c
    curses.c:419:18: macro "ISPRINT" requires 2 arguments, but only 1 given
```

Is ISPRINT macro defined anywhere on OpenSolaris?

```
--
Nobu Nakada

=end
```

#2 - 12/04/2008 12:21 PM - daesan (Dae San Hwang)

```
=begin
I've checked system header files and found following macro definitions
of ISPRINT.

/* in "/usr/include/readline/chardefs.h" */

#define ISPRINT(c)    (IN_CTYPE_DOMAIN (c) && isprint (c))

/* in "/usr/include/sys/euc.h" */

#define ISPRINT(c, wp) (wp._multibyte && !ISASCII(c) || isprint(c))
```

I guess the second definition of ISPRINT macro clashes with ruby?

daesan

On Dec 2, 2008, at 4:42 PM, Nobuyoshi Nakada wrote:

Hi,

At Tue, 2 Dec 2008 01:50:41 +0900,
Dae San Hwang wrote in [\[ruby-core:20189\]](#):

```
compiling curses
make[1]: Entering directory `/usr/local/src/ruby-1.9.1-preview2/ext/
curses'
gcc -I. -I../ext/include/x86_64-solaris10 -I../include -
I../ext/curses -DRUBY_EXTCONF_H="extconf.h" -fPIC -m64 -
O2 -g -Wall -Wno-parentheses -o curses.o -c curses.c
curses.c:419:18: macro "ISPRINT" requires 2 arguments, but only 1
given
```

Is ISPRINT macro defined anywhere on OpenSolaris?

--

Nobu Nakada

=end

#3 - 12/04/2008 12:45 PM - nobu (Nobuyoshi Nakada)

=begin

Hi,

At Thu, 4 Dec 2008 12:15:03 +0900,
Dae San Hwang wrote in [\[ruby-core:20284\]](#):

I've checked system header files and found following macro definitions
of ISPRINT.

```
/* in "/usr/include/readline/chardefs.h" */
```

```
#define ISPRINT(c)    (IN_CTYPE_DOMAIN (c) && isprint (c))
```

```
/* in "/usr/include/sys/euc.h" */
```

```
#define ISPRINT(c, wp) (wp._multibyte && !ISASCII(c) || isprint(c))
```

Hmmm, they obviously conflict.

I guess the second definition of ISPRINT macro clashes with ruby?

I guess so. Could you tell how/from where those headers are
included?

--

Nobu Nakada

=end

#4 - 12/04/2008 01:46 PM - daesan (Dae San Hwang)

=begin

I traced back header inclusions:

"ruby-trunk/ext/curses/curses.c" conditionally includes "<curses.h>"

"/usr/include/curses.h" includes "<widec.h>"

"/usr/include/widec.h" includes "<euc.h>"

"/usr/include/euc.h" includes "<sys/euc.h>"

`"/usr/include/sys/euc.h" defines "#define ISPRINT(c, wp)
(wp._multibyte && !ISASCII(c) || isprint(c))"`

Then `"ruby-trunk/ext/curses/curses.c"` defines function `"curses_getch"` which uses `ISPRINT` macro. (In Ruby 1.9.1 Preview 1, `"curses_getch"` didn't use `ISPRINT` macro.)

On Dec 4, 2008, at 12:39 PM, Nobuyoshi Nakada wrote:

Hi,

At Thu, 4 Dec 2008 12:15:03 +0900,
Dae San Hwang wrote in [\[ruby-core:20284\]](#):

I've checked system header files and found following macro definitions of `ISPRINT`.

```
/* in "/usr/include/readline/chardefs.h" */
```

```
#define ISPRINT(c)    (IN_CTYPE_DOMAIN (c) && isprint (c))
```

```
/* in "/usr/include/sys/euc.h" */
```

```
#define ISPRINT(c, wp) (wp._multibyte && !ISASCII(c) || isprint(c))
```

Hmmm, they obviously conflict.

I guess the second definition of `ISPRINT` macro clashes with ruby?

I guess so. Could you tell how/from where those headers are included?

--
Nobu Nakada

=end

#5 - 12/04/2008 02:07 PM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin
Applied in changeset r20482.
=end

#6 - 12/04/2008 02:40 PM - daesan (Dae San Hwang)

=begin
Thanks Matz!

There is another occurrence of `ISPRINT` in function `"window_getch"` in `"ext/curses/curses.c"` on line 1134 though. Could you please patch it as well?

thanks,

daesan

On Dec 4, 2008, at 2:01 PM, Yukihiro Matsumoto wrote:

Issue [#805](#) has been updated by Yukihiro Matsumoto.

Status changed from Open to Closed
% Done changed from 0 to 100

Applied in changeset r20482.

<http://redmine.ruby-lang.org/issues/show/805>

=end

#7 - 12/04/2008 02:53 PM - matz (Yukihiro Matsumoto)

=begin
Hi,

In message "Re: [\[ruby-core:20294\]](#) Re: [Bug #805](#) Ruby 1.9.1 preview 2 : build failure on OpenSolaris"
on Thu, 4 Dec 2008 14:34:43 +0900, Dae San Hwang lists@daesan.com writes:

|There is another occurrence of ISPRINT in function "window_getch" in
|"ext/curses/curses.c" on line 1134 though. Could you please patch it
|as well?

Oops, sorry. I just checked in.

matz.

=end

Files

output.txt	41.1 KB	12/02/2008	daesan (Dae San Hwang)
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