

Ruby master - Bug #9578

'Function' undeclared in readline.c

02/28/2014 08:37 AM - dmedvinsky (Dmitry Medvinsky)

Status: Closed	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version:	
ruby -v: 2.0.0p353 (2013-11-22 revision 43784) [x86_64-linux]	Backport: 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: DONE

Description

When compiling Ruby 2.1.1, I get the following error

```
make[2]: Entering directory '/tmp/ruby-build.20140228114849.30108/ruby-2.1.1/ext/readline'
compiling readline.c
readline.c: In function 'Init_readline':
readline.c:1977:26: error: 'Function' undeclared (first use in this function)
    rl_pre_input_hook = (Function *)readline_pre_input_hook;
                        ^
readline.c:1977:26: note: each undeclared identifier is reported only once for each function it ap
pears in
readline.c:1977:36: error: expected expression before ')' token
    rl_pre_input_hook = (Function *)readline_pre_input_hook;
                        ^
readline.c: At top level:
readline.c:634:1: warning: 'readline_pre_input_hook' defined but not used [-Wunused-function]
  readline_pre_input_hook(void)
  ^
Makefile:228: recipe for target 'readline.o' failed
make[2]: *** [readline.o] Error 1
make[2]: Leaving directory '/tmp/ruby-build.20140228114849.30108/ruby-2.1.1/ext/readline'
exts.mk:198: recipe for target 'ext/readline/all' failed
make[1]: *** [ext/readline/all] Error 2
```

Readline version:

```
/* Hex-encoded Readline version number. */
#define RL_READLINE_VERSION    0x0603    /* Readline 6.3 */
#define RL_VERSION_MAJOR      6
#define RL_VERSION_MINOR      3
...
extern rl_hook_func_t *rl_pre_input_hook;
```

OS version:

```
Linux 3.13.5-1-ARCH #1 SMP PREEMPT Sun Feb 23 00:25:24 CET 2014 x86_64 GNU/Linux
```

I can provide full configure and make logs, if required.

Related issues:

Related to Backport21 - Backport #9630: Backport readline-6.3 support.	Closed	03/13/2014
Related to Ruby master - Bug #9702: r45488 SolarisStudio ext/readline ...	Closed	04/04/2014
Related to Backport200 - Backport #9631: Backport readline-6.3 support.	Closed	03/13/2014

Associated revisions

Revision ed6a2d3b - 03/01/2014 07:19 AM - akr (Akira Tanaka)

- ext/readline/readline.c (Init_readline): Use rl_hook_func_t instead of Function to support readline-6.3. (rl_hook_func_t is available since readline-4.2.) Reported by Dmitry Medvinsky. [ruby-core:61141] [Bug #9578]

Revision 45225 - 03/01/2014 07:19 AM - akr (Akira Tanaka)

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Revision 2bb88114 - 03/02/2014 02:13 AM - nobu (Nobuyoshi Nakada)

extconf.rb: rl_hook_func_t for old readline

- ext/readline/extconf.rb (rl_hook_func_t): define as Function for very old readline versions. [ruby-core:61209] [Bug #9578]

Revision 45240 - 03/02/2014 02:13 AM - nobu (Nobuyoshi Nakada)

extconf.rb: rl_hook_func_t for old readline

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Revision 6df2fbf0 - 03/02/2014 04:33 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45225,r45240: [Backport #9578]

```
* ext/readline/readline.c (Init_readline): Use rl_hook_func_t instead
of Function to support readline-6.3. (rl_hook_func_t is available
since readline-4.2.)
```

```
Reported by Dmitry Medvinsky. [ruby-core:61141] [Bug #9578]
```

```
* ext/readline/extconf.rb (rl_hook_func_t): define as Function for
very old readline versions. [ruby-core:61209] [Bug #9578]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@45252 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 66481367 - 03/31/2014 02:57 PM - nobu (Nobuyoshi Nakada)

readline/extconf.rb: fix typo

- ext/readline/extconf.rb: fix typo, \$defs not \$DEFS. [ruby-core:61756] [Bug #9578]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@45488 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45488 - 03/31/2014 02:57 PM - nobu (Nobuyoshi Nakada)

readline/extconf.rb: fix typo

- ext/readline/extconf.rb: fix typo, \$defs not \$DEFS. [ruby-core:61756] [Bug #9578]

Revision 45488 - 03/31/2014 02:57 PM - nobu (Nobuyoshi Nakada)

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Revision a2542330 - 04/30/2014 06:04 AM - usa (Usaku NAKAMURA)

merge revision(s) 45488: [Backport #9631]

```
* ext/readline/extconf.rb: fix typo, ` $defs ` not ` $DEFS `.
```

```
[ruby-core:61756] [Bug #9578]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_0_0@45746 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45746 - 04/30/2014 06:04 AM - usa (Usaku NAKAMURA)

merge revision(s) 45488: [Backport #9631]

* ext/readline/extconf.rb: fix typo, ` \$defs ` not ` \$DEFS `.
[ruby-core:61756] [Bug #9578]

Revision ab58587f - 05/01/2014 11:55 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45225,r45240,r45488: [Backport #9578] [Backport #9630]

* ext/readline/readline.c (Init_readline): Use rl_hook_func_t instead of Function to support readline-6.3. (rl_hook_func_t is available since readline-4.2.)
Reported by Dmitry Medvinsky. [ruby-core:61141] [Bug #9578]

* ext/readline/extconf.rb (rl_hook_func_t): define as Function for very old readline versions. [ruby-core:61209] [Bug #9578]

* ext/readline/extconf.rb: fix typo, ` \$defs ` not ` \$DEFS `.
[ruby-core:61756] [Bug #9578]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@45772 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45772 - 05/01/2014 11:55 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45225,r45240,r45488: [Backport #9578] [Backport #9630]

* ext/readline/readline.c (Init_readline): Use rl_hook_func_t instead of Function to support readline-6.3. (rl_hook_func_t is available since readline-4.2.)
Reported by Dmitry Medvinsky. [ruby-core:61141] [Bug #9578]

* ext/readline/extconf.rb (rl_hook_func_t): define as Function for very old readline versions. [ruby-core:61209] [Bug #9578]

* ext/readline/extconf.rb: fix typo, ` \$defs ` not ` \$DEFS `.
[ruby-core:61756] [Bug #9578]

Revision f2013ff8 - 05/01/2014 11:59 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45518: [Backport #9578] [Backport #9630] [Backport #9702]

* ext/readline/extconf.rb (rl_hook_func_t): check pointer type.
[ruby-dev:48089] [Bug #9702]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_1@45773 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 45773 - 05/01/2014 11:59 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) r45518: [Backport #9578] [Backport #9630] [Backport #9702]

* ext/readline/extconf.rb (rl_hook_func_t): check pointer type.
[ruby-dev:48089] [Bug #9702]

History

#1 - 03/01/2014 07:19 AM - akr (Akira Tanaka)

- Status changed from Open to Closed

- % Done changed from 0 to 100

Applied in changeset r45225.

- ext/readline/readline.c (Init_readline): Use rl_hook_func_t instead of Function to support readline-6.3. (rl_hook_func_t is available since readline-4.2.) Reported by Dmitry Medvinsky. [ruby-core:61141] [Bug [#9578](#)]

#2 - 03/01/2014 07:54 AM - naruse (Yui NARUSE)

- Backport changed from 1.9.3: UNKNOWN, 2.0.0: UNKNOWN, 2.1: UNKNOWN to 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: REQUIRED

#3 - 03/02/2014 01:52 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Closed to Open

Now I can't build trunk:

```
ext/readline/readline.c: In function 'Init_readline':
ext/readline/readline.c:1977: error: 'rl_hook_func_t' undeclared (first use in this function)
ext/readline/readline.c:1977: error: (Each undeclared identifier is reported only once
ext/readline/readline.c:1977: error: for each function it appears in.)
ext/readline/readline.c:1977: error: expected expression before ')' token
```

#4 - 03/02/2014 02:13 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r45240.

extconf.rb: rl_hook_func_t for old readline

- ext/readline/extconf.rb (rl_hook_func_t): define as Function for very old readline versions. [ruby-core:61209] [Bug #9578]

#5 - 03/02/2014 04:34 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: REQUIRED to 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: REQUIRED

r45225 and r45240 were backported to ruby_2_0_0 at r45252.

#6 - 03/18/2014 12:57 AM - nobu (Nobuyoshi Nakada)

- Related to Backport #9630: Backport readline-6.3 support. added

#7 - 03/30/2014 12:30 AM - taka (Takahiro Kambe)

r45240 added these lines to extconf.rb:

```
unless readline.have_type("rl_hook_func_t")
  $DEFS << "-Drl_hook_func_t=Function"
end
```

But it should be \$defs instead of \$DEFS?

#8 - 03/30/2014 01:22 PM - nagachika (Tomoyuki Chikanaga)

- Status changed from Closed to Assigned

- Assignee set to nobu (Nobuyoshi Nakada)

- Backport changed from 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: REQUIRED to 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: REQUIRED

#9 - 03/30/2014 10:26 PM - nobu (Nobuyoshi Nakada)

Takahiro Kambe wrote:

But it should be \$defs instead of \$DEFS?

Exactly. Please commit it.

#10 - 03/31/2014 03:44 AM - taka (Takahiro Kambe)

Nobuyoshi Nakada wrote:

Takahiro Kambe wrote:

But it should be \$defs instead of \$DEFS?

Exactly. Please commit it.

Who are you asking to commit? (BTW, I am not a committer.)

#11 - 03/31/2014 02:57 PM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

Applied in changeset r45488.

readline/extconf.rb: fix typo

- ext/readline/extconf.rb: fix typo, \$defs not \$DEFS. [ruby-core:61756] [Bug [#9578](#)]

#12 - 03/31/2014 02:58 PM - nobu (Nobuyoshi Nakada)

Takahiro Kambe wrote:

Who are you asking to commit? (BTW, I am not a commiter.)

Really!?

#13 - 04/04/2014 02:22 PM - ngoto (Naohisa Goto)

- Related to Bug #9702: r45488 SolarisStudio ext/readline (readline 6.2) added

#14 - 04/28/2014 04:09 AM - nobu (Nobuyoshi Nakada)

- Description updated

#15 - 04/30/2014 05:22 AM - usa (Usaku NAKAMURA)

- Related to Backport #9631: Backport readline-6.3 support. added

#16 - 05/01/2014 12:03 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: REQUIRED to 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: DONE

#17 - 05/01/2014 12:08 PM - usa (Usaku NAKAMURA)

- Backport changed from 1.9.3: REQUIRED, 2.0.0: REQUIRED, 2.1: DONE to 1.9.3: REQUIRED, 2.0.0: DONE, 2.1: DONE