Ruby master - Bug #6616

MinGW: cannot build extensions or run tests due changes in exec_arg?

06/21/2012 09:55 AM - luislavena (Luis Lavena)

Status: Closed
Priority: Normal
Assignee: akr (Akira Tanaka)
Target version: 2.0.0
ruby -v: trunk r36158
Backport:

Description
Hello,

Originally reported in [ruby-core:45727] due Redmine being down.

Latest trunk revision (r36154) is failing on me:
https://gist.github.com/2959908

Decided to attempt a Git bisect to determine the commit that introduced this and which doing it found another error at r36148:
https://gist.github.com/2960374

Worker machine as 4GB of RAM (Windows 7 x64) and memory was no exhausted during tests (monitored memory usage)

Git bisect didn't tell me precisely which commit failed since the error happens randomly except for last commit, which happens always.

Build was made on a separate directory (build32) inside Ruby's source.

MinGW GCC 4.6.3 was used (mingw-w64) which has build successfully everything in the past.

Entire work tree is reset on every build.

I can attribute this issue to support libraries or compiler since those have been the same and work properly in the past revisions and also against ruby_1_9_3 branch.

Further investigation shows the following:

configuring digest/md5
wrong argument type false (expected exec_arg)
Failed to configure digest/md5. It will not be installed.

configuring digest/rmd160
wrong argument type false (expected exec_arg)
Failed to configure digest/rmd160. It will not be installed.

configuring digest/sha1
wrong argument type false (expected exec_arg)
Failed to configure digest/sha1. It will not be installed.

configuring digest/sha2
wrong argument type false (expected exec_arg)
Failed to configure digest/sha2. It will not be installed.

configuring dll
wrong argument type false (expected exec_arg)
Failed to configure dll. It will not be installed.

Which might indicate an incompatible change with exec?

History
#1 - 06/21/2012 09:55 AM - luislavena (Luis Lavena)
- Status changed from Open to Assigned
Here is a simple code for the cause of this issue.

C:\work>ruby -ve "system('dir')"
ruby 2.0.0.dev (2012-06-21 trunk 36156) [i386-mingw32]
-e:1:in system: wrong argument type Object (expected exec_arg) (TypeError)
from -e:1:in'

This bug is due to the revision r36152.
I guess the revision r36152 is untested or unfinished.

-- Control frame information -----------------------------------------------
c:0003 p:---- s:0008 b:0008 e:000007 CFUNC :eval
-- C level backtrace information -------------------------------------------
./ruby(+0x11577e) [0x8011577e]
./ruby(+0x157a5f) [0x80157a5f]
./ruby(rb_bug+0x49) [0x80157b09]
./ruby(+0xeb1d6) [0x800eb1d6]
./ruby(rb_iseq_compile_node+0x495) [0x800f52e5]
./ruby(+0xfb4f6) [0x800fb4f6]
./ruby(+0xeaa2d9) [0x800eaa2d9]
./ruby(+0xeaa64) [0x800eaa64]
./ruby(rb_iseq_compile_node+0x6dd) [0x800f552d]
./ruby(+0xfb4f6) [0x800fb4f6]
./ruby(rb_iseq_compile_with_option+0xc9) [0x800fb7b9]
./ruby(rb_iseq_iseq)+0x2f) [0x800fb96f]
./ruby(+0x10ca35) [0x8010ca35]
./ruby(+0x10d0ec) [0x8010d0ec]
./ruby(+0x100b00) [0x80100b00]
./ruby(+0x103e9d) [0x80103e9d]
./ruby(+0x106a77) [0x80106a77]
./ruby(+0x10c52f) [0x8010c52f]
./ruby(rb_iseq_eval_main+0x9b) [0x8010c7cb]
./ruby(+0x19382) [0x80019382]
./ruby(ruby_exec_node+0x28) [0x800193d8]
./ruby(ruby_run_node+0x25) [0x8001a575]
./ruby(+0x175be) [0x800175be]
/lib/i686/nosegneq/libc.so.6__libc_start_main+0xe6) [0xb7dc1ca6]
/libc-start.c:228
./ruby(+0x17471) [0x80017471]

-- Other runtime information -----------------------------------------------

- Loaded script: -e
- Loaded features:

0 enumerator.so
1 /extdisk/chkbuild/chkbuild/tmp/build/20120621T020500Z/lib/ruby/2.0.0/i686-linux/enc/encdb.so
2 /extdisk/chkbuild/chkbuild/tmp/build/20120621T020500Z/lib/ruby/2.0.0/i686-linux/enc/trans/transdb.so
You may have encountered a bug in the Ruby interpreter or extension libraries. Bug reports are welcome. For details: http://www.ruby-lang.org/bugreport.html

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Tanaka Akira

#4 - 06/21/2012 07:23 PM - akr (Akira Tanaka)

2012/6/21 Tanaka Akira akr@fsij.org:

2012/6/21 luislavena (Luis Lavena) luislavena@gmail.com:

Bug #6616: MinGW: cannot build extensions or run tests due changes in exec_arg?

Latest trunk revision (r36154) is failing on me:
https://gist.github.com/2959908

I doubt this is a GC problem.

At least current trunk has a problem as follows.

boron% ./ruby -e 'GC.stress = true; eval("def m(k: 0) end")'
-e:1: [BUG] iseq_compile_each: unknown node: NODE_ARGS
ruby 2.0.0dev (2012-06-21 trunk 36158) [i686-linux]

nobu fixed the GC problem at r36161.

I hope that the revision also fix this issue.

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Tanaka Akira

#5 - 06/21/2012 07:32 PM - phasis68 (Heesob Park)

I think r36161 is not related with this issue.
After applying r36161, this issue is not fixed.

C:\work\snapshot\miniruby -e "system('dir')"
-e:1:in system": wrong argument type Object (expected exec_arg) (TypeError)
from -e:1:in'

Also, I can see many warning during building.

process.c: In function 'proc_exec_cmd':
process.c:1138:9: warning: passing argument 2 of 'execve' from incompatible pointer type
c:\devkit\mingw\bin...lib/gcc/mingw32/4.5.2/...include/process.h:119:42: note: expected 'const char * const*' but argument is of type 'char *'
process.c:1138:9: warning: passing argument 3 of 'execve' from incompatible pointer type
c:\devkit\mingw\bin...lib/gcc/mingw32/4.5.2/...include/process.h:119:42: note: expected 'const char * const' but argument is of type 'char ***

#6 - 06/21/2012 07:53 PM - akr (Akira Tanaka)

2012/6/21 phasis68 (Heesob Park) phasis@gmail.com:

Issue #6616 has been updated by phasis68 (Heesob Park).

Also, I can see many warning during building.

process.c: In function 'proc_exec_cmd':
process.c:1138:9: warning: passing argument 2 of 'execve' from incompatible pointer type
c:\devkit\mingw\bin...lib/gcc/mingw32/4.5.2/...include/process.h:119:42: note: expected 'const char * const*' but argument is of type 'char ***
This compile time message is very helpful.
I hope r36165 fixes this issue.
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Tanaka Akira

#7 - 06/22/2012 12:29 AM - luislavena (Luis Lavena)
On Thu, Jun 21, 2012 at 7:49 AM, Tanaka Akira akr@fsij.org wrote:

2012/6/21 phasis68 (Heesob Park) phasis@gmail.com:

> process.c:3502:5: warning: passing argument 2 of 'rb_run_exec_options_err' from incompatible pointer type
> process.c:3532:5: warning: passing argument 1 of 'rb_run_exec_options_err' from incompatible pointer type
> process.c:2839:1: note: expected 'struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:3502:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:3532:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:2839:1: note: expected 'struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:3502:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:3532:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:3532:5: warning: passing argument 1 of 'rb_run_exec_options_err' from incompatible pointer type
> process.c:2839:1: note: expected 'const struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:2839:1: note: expected 'struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:3502:5: warning: passing argument 2 of 'rb_run_exec_options_err' from incompatible pointer type
> process.c:2839:1: note: expected 'struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:3502:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:3532:5: warning: 'rb_run_exec_options_err' is deprecated (declared at process.c:2839)
> process.c:3532:5: warning: passing argument 1 of 'rb_run_exec_options_err' from incompatible pointer type
> process.c:2839:1: note: expected 'const struct rb_exec_arg' but argument is of type 'struct rb_execarg'
> process.c:2839:1: note: expected 'struct rb_exec_arg' but argument is of type 'struct rb_execarg'

This compile time message is very helpful.

Apologies, I missed the compilation warnings from the worker computer.

I hope r36165 fixes this issue.

Seems to have fixed it, will close the bug report.

Thank you.
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Luis Lavena
AREA 17
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Perfection in design is achieved not when there is nothing more to add, but rather when there is nothing more to take away.
Antoine de Saint-Exupéry

#8 - 06/22/2012 01:06 AM - luislavena (Luis Lavena)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

Thank you Park for the details.
Thank you Akira Tanaka for solving this.

Closing this out.