

Ruby trunk - Bug #5380

gc params cause Segmentation fault

09/29/2011 11:37 PM - saberma (saber ma)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	nagachika (Tomoyuki Chikanaga)	
Target version:	1.9.3	
ruby -v:	ruby 1.9.3dev (2011-09-23 revision 33323) [i686-linux]	

Description

ruby1.9.3-rc1 or ruby1.9.3-preview1, set the gc params:

```
export RUBY_GC_MALLOC_LIMIT=60000000
```

```
export RUBY_HEAP_MIN_SLOTS=100000
```

```
ruby -e 'puts 1'
```

```
malloc_limit=60000000 (8000000)
```

```
heap_min_slots=100000 (10000)
```

```
1
```

```
*** glibc detected *** ruby: free(): invalid pointer: 0x09699944 ***
```

```
===== Backtrace: =====
```

```
/lib/tls/i686/cmov/libc.so.6(+0x6b591)[0xe9f591]
```

```
/lib/tls/i686/cmov/libc.so.6(+0x6cde8)[0xea0de8]
```

```
/lib/tls/i686/cmov/libc.so.6(cfree+0x6d)[0xea3ecd]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_xfree+0x21)[0x17b191]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(st_free_table+0x35)[0x225de5]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x6b435)[0x17b435]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x6d33c)[0x17d33c]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_vm_destruct+0x79)[0x27cfb9]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_cleanup+0x20d)[0x16940d]
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_run_node+0x3d)[0x16960d]
```

```
ruby[0x80487d8]
```

```
/lib/tls/i686/cmov/libc.so.6(__libc_start_main+0xe6)[0xe4abd6]
```

```
ruby[0x80486d1]
```

```
===== Memory map: =====
```

```
00110000-00303000 r-xp 00000000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
```

```
00303000-00306000 r--p 001f2000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
```

```
00306000-00308000 rw-p 001f5000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
```

```
00308000-00318000 rw-p 00000000 00:00 0
```

```
00318000-0031a000 r-xp 00000000 08:01 11272255 /lib/tls/i686/cmov/libdl-2.11.1.so
```

```
0031a000-0031b000 r--p 00001000 08:01 11272255 /lib/tls/i686/cmov/libdl-2.11.1.so
```

```
0031b000-0031c000 rw-p 00002000 08:01 11272255 /lib/tls/i686/cmov/libdl-2.11.1.so
```

```
00355000-00370000 r-xp 00000000 08:01 11276218 /lib/ld-2.11.1.so
```

```
00370000-00371000 r--p 0001a000 08:01 11276218 /lib/ld-2.11.1.so
```

```
00371000-00372000 rw-p 0001b000 08:01 11276218 /lib/ld-2.11.1.so
```

```
0038c000-0038e000 r-xp 00000000 08:01 7216634
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
```

```
0038e000-0038f000 r--p 00001000 08:01 7216634
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
```

```
0038f000-00390000 rw-p 00002000 08:01 7216634
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
```

```
00514000-00516000 r-xp 00000000 08:01 7349987
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
```

```
00516000-00517000 r--p 00001000 08:01 7349987
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
```

```
00517000-00518000 rw-p 00002000 08:01 7349987
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
```

```
0077c000-0077d000 r-xp 00000000 00:00 0 [vdso]
```

```
00843000-00858000 r-xp 00000000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
```

```
00858000-00859000 r--p 00014000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
```

```
00859000-0085a000 rw-p 00015000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
```

```
0085a000-0085c000 rw-p 00000000 00:00 0
```

```

00998000-009bc000 r-xp 00000000 08:01 11272290 /lib/tls/i686/cmox/libm-2.11.1.so
009bc000-009bd000 r--p 00023000 08:01 11272290 /lib/tls/i686/cmox/libm-2.11.1.so
009bd000-009be000 rw-p 00024000 08:01 11272290 /lib/tls/i686/cmox/libm-2.11.1.so
00aaf000-00ab6000 r-xp 00000000 08:01 11272355 /lib/tls/i686/cmox/librt-2.11.1.so
00ab6000-00ab7000 r--p 00006000 08:01 11272355 /lib/tls/i686/cmox/librt-2.11.1.so
00ab7000-00ab8000 rw-p 00007000 08:01 11272355 /lib/tls/i686/cmox/librt-2.11.1.so
00bb6000-00bd3000 r-xp 00000000 08:01 11272275 /lib/libgcc_s.so.1
00bd3000-00bd4000 r--p 0001c000 08:01 11272275 /lib/libgcc_s.so.1
00bd4000-00bd5000 rw-p 0001d000 08:01 11272275 /lib/libgcc_s.so.1
00df1000-00dfa000 r-xp 00000000 08:01 11272249 /lib/tls/i686/cmox/libcrypt-2.11.1.so
00dfa000-00dfb000 r--p 00008000 08:01 11272249 /lib/tls/i686/cmox/libcrypt-2.11.1.so
00dfb000-00dfc000 rw-p 00009000 08:01 11272249 /lib/tls/i686/cmox/libcrypt-2.11.1.so
00dfc000-00e23000 rw-p 00000000 00:00 0
00e34000-00f87000 r-xp 00000000 08:01 11272241 /lib/tls/i686/cmox/libc-2.11.1.so
00f87000-00f88000 ---p 00153000 08:01 11272241 /lib/tls/i686/cmox/libc-2.11.1.so
00f88000-00f8a000 r--p 00153000 08:01 11272241 /lib/tls/i686/cmox/libc-2.11.1.so
00f8a000-00f8b000 rw-p 00155000 08:01 11272241 /lib/tls/i686/cmox/libc-2.11.1.so
00f8b000-00f8e000 rw-p 00000000 00:00 0
08048000-08049000 r-xp 00000000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
08049000-0804a000 r--p 00000000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
0804a000-0804b000 rw-p 00001000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
09381000-096a2000 rw-p 00000000 00:00 0 [heap]
b7600000-b7621000 rw-p 00000000 00:00 0
b7621000-b7700000 ---p 00000000 00:00 0
b77c4000-b7803000 r--p 00000000 08:01 2891665 /usr/lib/locale/en_US.utf8/LC_CTYPE
b7803000-b7806000 rw-p 00000000 00:00 0
b780b000-b780c000 rw-p 00000000 00:00 0
b780c000-b780d000 ---p 00000000 00:00 0
b780d000-b7810000 rw-p 00000000 00:00 0
b7810000-b7817000 r--s 00000000 08:01 2884807 /usr/lib/gconv/gconv-modules.cache
b7817000-b7819000 rw-p 00000000 00:00 0
bfe69000-bfe7f000 rw-p 00000000 00:00 0 [stack]
[1] 17007 abort ruby -e 'puts 1'

```

the irb command raise the same error.

```

irb
malloc_limit=60000000 (8000000)
heap_min_slots=100000 (10000)
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:392: [BUG] Segmentation fault
ruby 1.9.3dev (2011-09-23 revision 33323) [i686-linux]

```

-- Control frame information -----

```

c:0025 p:0025 s:0094 b:0094 l:000093 d:000093 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:392
c:0024 p:0011 s:0091 b:0091 l:000090 d:000090 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:413
c:0023 p:0030 s:0088 b:0088 l:000087 d:000087 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:381
c:0022 p:0033 s:0085 b:0085 l:000084 d:000084 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:267
c:0021 p:0036 s:0081 b:0081 l:000080 d:000080 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:409
c:0020 p:---- s:0078 b:0078 l:000077 d:000077 FINISH
c:0019 p:---- s:0076 b:0076 l:000075 d:000075 CFUNC :find
c:0018 p:0011 s:0073 b:0073 l:000072 d:000072 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:441
c:0017 p:0021 s:0069 b:0069 l:000068 d:000068 METHOD
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:203
c:0016 p:0040 s:0064 b:0064 l:000049 d:000063 BLOCK /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:150
c:0015 p:0073 s:0061 b:0061 l:000054 d:000060 BLOCK /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:158
c:0014 p:0081 s:0058 b:0058 l:000057 d:000057 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:167
c:0013 p:0036 s:0055 b:0055 l:000054 d:000054 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:157
c:0012 p:0015 s:0050 b:0050 l:000049 d:000049 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:145
c:0011 p:0108 s:0044 b:0044 l:000043 d:000043 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:124
c:0010 p:0016 s:0037 b:0037 l:000036 d:000036 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:108
c:0009 p:0177 s:0031 b:0031 l:000030 d:000030 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:32

```

```
c:0008 p:---- s:0026 b:0026 l:000025 d:000025 FINISH
c:0007 p:---- s:0024 b:0024 l:000023 d:000023 CFUNC :new
c:0006 p:0649 s:0021 b:0019 l:000018 d:000018 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb:114
c:0005 p:0019 s:0015 b:0015 l:000014 d:000014 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb:16
c:0004 p:0047 s:0011 b:0011 l:000010 d:000010 METHOD /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb.rb:53
c:0003 p:0142 s:0006 b:0006 l:000014 d:00029c EVAL /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/irb:16
c:0002 p:---- s:0004 b:0004 l:000003 d:000003 FINISH
c:0001 p:0000 s:0002 b:0002 l:000014 d:000014 TOP
```

-- Ruby level backtrace information -----

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/irb:16:in <main>'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb.rb:53:in start'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb:16:in setup'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb:114:in init_config'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb:114:in new'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:32:in initialize'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:108:in load'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:124:in find'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:145:in search_file'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:157:in each_localized_path'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:167:in each_sublocale'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:158:in block in each_localized_path'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb:150:in block in search_file'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:203:in try_activate'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:441:in find_by_path'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:441:in find'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:409:in each'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:267:in all'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb:381:in dirs'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:413:in path'
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb:392:in `paths'
```

-- C level backtrace information -----

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x184253) [0x294253] vm_dump.c:796
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x55b57) [0x165b57] error.c:258
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_bug+0x49) [0x165c59] error.c:277
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x10d93c) [0x21d93c] signal.c:609
[0xa15410]
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x6f88c) [0x17f88c] gc.c:2212
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x6fcdf) [0x17fcdf] gc.c:694
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_str_buf_new+0xc7) [0x22fb17] string.c:744
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_enc_vsprintf+0x37) [0x225447] sprintf.c:1170
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_vsprintf+0x2c) [0x2254fc] sprintf.c:1199
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_sprintf+0x24) [0x225534] sprintf.c:1209
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x15ce47) [0x26ce47] compile.c:4683
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_iseq_compile_node+0x70a) [0x27306a] compile.c:487
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_iseq_new_with_opt+0x9d) [0x27b4ed] iseq.c:411
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_iseq_new_top+0x53) [0x27ba33] iseq.c:386
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x5ab6a) [0x16ab6a] load.c:308
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_require_safe+0x742) [0x16c2a2] load.c:619
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_autoload_load+0xa8) [0x262ee8] variable.c:1566
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x1550e9) [0x2650e9] variable.c:1605
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x155288) [0x265288] variable.c:1649
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17098e) [0x28098e] vm_inshelper.c:1231
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x1724fc) [0x2824fc] insns.def:223
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x179052) [0x289052] vm.c:1220
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17a95a) [0x28a95a] vm_eval.c:66
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17e4a8) [0x28e4a8] vm_eval.c:235
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_iterate+0xcc) [0x27e7cc] vm_eval.c:862
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_block_call+0x4d) [0x27e96d] vm_eval.c:942
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x4c8f5) [0x15c8f5] enum.c:211
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x16d908) [0x27d908] vm_inshelper.c:317
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17edd5) [0x28edd5] vm_inshelper.c:404
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x174268) [0x284268] insns.def:1015
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x179052) [0x289052] vm.c:1220
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17a95a) [0x28a95a] vm_eval.c:66
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_obj_call_init+0x50) [0x167840] eval.c:876
```

```
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_class_new_instance+0x3a) [0x1b940a] object.c:1625
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x16d908) [0x27d908] vm_inshelper.c:317
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x17edd5) [0x28edd5] vm_inshelper.c:404
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x174268) [0x284268] insns.def:1015
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x179052) [0x289052] vm.c:1220
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(rb_iseq_eval_main+0x1f2) [0x289452] vm.c:1461
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(+0x57eca) [0x167eca] eval.c:204
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_exec_node+0x25) [0x167f05] eval.c:251
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9(ruby_run_node+0x35) [0x169605] eval.c:244
irb() [0x80487d8]
/lib/tls/i686/cmov/libc.so.6(__libc_start_main+0xe6) [0x350bd6]
irb() [0x80486d1]
```

-- Other runtime information -----

- Loaded script: irb

- Loaded features:

```
0 enumerator.so
1 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
2 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
3 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/defaults.rb
4 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/rbconfig.rb
5 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/deprecate.rb
6 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/exceptions.rb
7 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/custom_require.rb
8 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems.rb
9 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/e2mmap.rb
10 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/init.rb
11 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/workspace.rb
12 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/inspector.rb
13 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/context.rb
14 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/extend-command.rb
15 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/output-method.rb
16 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/notifier.rb
17 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/slex.rb
18 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/ruby-token.rb
19 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/ruby-lex.rb
20 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/src_encoding.rb
21 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/magic-file.rb
22 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/readline.so
23 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/input-method.rb
24 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb/locale.rb
25 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/irb.rb
26 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/version.rb
27 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/requirement.rb
28 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/platform.rb
29 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/site_ruby/1.9.1/rubygems/specification.rb
```

- Process memory map:

```
00110000-00303000 r-xp 00000000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
00303000-00306000 r--p 001f2000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
00306000-00308000 rw-p 001f5000 08:01 5377589 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/libruby.so.1.9.1
00308000-00318000 rw-p 00000000 00:00 0
00318000-0032d000 r-xp 00000000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
0032d000-0032e000 r--p 00014000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
0032e000-0032f000 rw-p 00015000 08:01 11272349 /lib/tls/i686/cmov/libpthread-2.11.1.so
0032f000-00331000 rw-p 00000000 00:00 0
00331000-00338000 r-xp 00000000 08:01 11272355 /lib/tls/i686/cmov/librt-2.11.1.so
00338000-00339000 r--p 00006000 08:01 11272355 /lib/tls/i686/cmov/librt-2.11.1.so
00339000-0033a000 rw-p 00007000 08:01 11272355 /lib/tls/i686/cmov/librt-2.11.1.so
0033a000-0048d000 r-xp 00000000 08:01 11272241 /lib/tls/i686/cmov/libc-2.11.1.so
0048d000-0048e000 ---p 00153000 08:01 11272241 /lib/tls/i686/cmov/libc-2.11.1.so
0048e000-00490000 r--p 00153000 08:01 11272241 /lib/tls/i686/cmov/libc-2.11.1.so
```

```

00490000-00491000 rw-p 00155000 08:01 11272241 /lib/tls/i686/cmouv/libc-2.11.1.so
00491000-00494000 rw-p 00000000 00:00 0
00498000-0049a000 r-xp 00000000 08:01 7216634
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
0049a000-0049b000 r--p 00001000 08:01 7216634
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
0049b000-0049c000 rw-p 00002000 08:01 7216634
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/encdb.so
0049c000-004cb000 r-xp 00000000 08:01 11272352 /lib/libreadline.so.6.1
004cb000-004cc000 r--p 0002e000 08:01 11272352 /lib/libreadline.so.6.1
004cc000-004cf000 rw-p 0002f000 08:01 11272352 /lib/libreadline.so.6.1
004cf000-004d0000 rw-p 00000000 00:00 0
00911000-0091a000 r-xp 00000000 08:01 11272249 /lib/tls/i686/cmouv/libcrypt-2.11.1.so
0091a000-0091b000 r--p 00008000 08:01 11272249 /lib/tls/i686/cmouv/libcrypt-2.11.1.so
0091b000-0091c000 rw-p 00009000 08:01 11272249 /lib/tls/i686/cmouv/libcrypt-2.11.1.so
0091c000-00943000 rw-p 00000000 00:00 0
00997000-0099c000 r-xp 00000000 08:01 6559402 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/readline.so
0099c000-0099d000 r--p 00004000 08:01 6559402 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/readline.so
0099d000-0099e000 rw-p 00005000 08:01 6559402 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/readline.so
00a15000-00a16000 r-xp 00000000 00:00 0 [vdso]
00b02000-00b04000 r-xp 00000000 08:01 11272255 /lib/tls/i686/cmouv/libdl-2.11.1.so
00b04000-00b05000 r--p 00001000 08:01 11272255 /lib/tls/i686/cmouv/libdl-2.11.1.so
00b05000-00b06000 rw-p 00002000 08:01 11272255 /lib/tls/i686/cmouv/libdl-2.11.1.so
00bfd000-00bff000 r-xp 00000000 08:01 7349987
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
00bff000-00c00000 r--p 00001000 08:01 7349987
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
00c00000-00c01000 rw-p 00002000 08:01 7349987
/home/saberma/.rvm/rubies/ruby-1.9.3-rc1/lib/ruby/1.9.1/i686-linux/enc/trans/transdb.so
00cb5000-00cd2000 r-xp 00000000 08:01 11272275 /lib/libgcc_s.so.1
00cd2000-00cd3000 r--p 0001c000 08:01 11272275 /lib/libgcc_s.so.1
00cd3000-00cd4000 rw-p 0001d000 08:01 11272275 /lib/libgcc_s.so.1
00df1000-00e0c000 r-xp 00000000 08:01 11276218 /lib/ld-2.11.1.so
00e0c000-00e0d000 r--p 0001a000 08:01 11276218 /lib/ld-2.11.1.so
00e0d000-00e0e000 rw-p 0001b000 08:01 11276218 /lib/ld-2.11.1.so
00f05000-00f39000 r-xp 00000000 08:01 11272294 /lib/libncurses.so.5.7
00f39000-00f3a000 ---p 00034000 08:01 11272294 /lib/libncurses.so.5.7
00f3a000-00f3c000 r--p 00034000 08:01 11272294 /lib/libncurses.so.5.7
00f3c000-00f3d000 rw-p 00036000 08:01 11272294 /lib/libncurses.so.5.7
00f7d000-00fa1000 r-xp 00000000 08:01 11272290 /lib/tls/i686/cmouv/libm-2.11.1.so
00fa1000-00fa2000 r--p 00023000 08:01 11272290 /lib/tls/i686/cmouv/libm-2.11.1.so
00fa2000-00fa3000 rw-p 00024000 08:01 11272290 /lib/tls/i686/cmouv/libm-2.11.1.so
08048000-08049000 r-xp 00000000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
08049000-0804a000 r--p 00000000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
0804a000-0804b000 rw-p 00001000 08:01 5258895 /home/saberma/.rvm/rubies/ruby-1.9.3-rc1/bin/ruby
09389000-099c4000 rw-p 00000000 00:00 0 [heap]
b77c8000-b7849000 rw-p 00000000 00:00 0
b7849000-b7888000 r--p 00000000 08:01 2891665 /usr/lib/locale/en_US.utf8/LC_CTYPE
b7888000-b788b000 rw-p 00000000 00:00 0
b788f000-b7891000 rw-p 00000000 00:00 0
b7891000-b7892000 ---p 00000000 00:00 0
b7892000-b7895000 rw-p 00000000 00:00 0
b7895000-b789c000 r--s 00000000 08:01 2884807 /usr/lib/gconv/gconv-modules.cache
b789c000-b789e000 rw-p 00000000 00:00 0
bfcfa000-bfd10000 rw-p 00000000 00:00 0 [stack]

```

Associated revisions

Revision 3d2451d9 - 10/01/2011 01:00 AM - nagachika (Tomoyuki Chikanaga)

- gc.c (add_heap_slots, init_heap): reset heaps_inc zero when heap slots are expanded by environment variable RUBY_HEAP_MIN_SLOTS. [ruby-core:39777] [Bug #5380]
- test/ruby/test_gc.rb (test_gc_parameter): add test for it.

- test/ruby/envutil.rb (assert_normal_exit): add :child_env option to enable pass environemnt variables to child process.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33368 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 33368 - 10/01/2011 01:00 AM - nagachika (Tomoyuki Chikanaga)

- gc.c (add_heap_slots, init_heap): reset heaps_inc zero when heap slots are expanded by environment variable RUBY_HEAP_MIN_SLOTS. [ruby-core:39777] [Bug #5380]
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Revision 3973e70d - 10/03/2011 03:02 PM - nagachika (Tomoyuki Chikanaga)

- gc.c (rb_gc_set_params): output GC parameter change messages only if -w/-v options are specified. these messages are output to stderr, not to stdout. [ruby-core:39795] [Bug #5380]
- test/ruby/test_gc.rb (test_gc_parameter): add test for it.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33379 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 33379 - 10/03/2011 03:02 PM - nagachika (Tomoyuki Chikanaga)

- gc.c (rb_gc_set_params): output GC parameter change messages only if -w/-v options are specified. these messages are output to stderr, not to stdout. [ruby-core:39795] [Bug #5380]
- test/ruby/test_gc.rb (test_gc_parameter): add test for it.

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Revision 33379 - 10/03/2011 03:02 PM - nagachika (Tomoyuki Chikanaga)

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- test/ruby/test_gc.rb (test_gc_parameter): add test for it.

Revision 0accf1fb - 10/08/2011 10:26 AM - kosaki (Motohiro KOSAKI)

merge revision(s) 33368:

- * gc.c (add_heap_slots, init_heap): reset heaps_inc zero when heap slots are expanded by environment variable RUBY_HEAP_MIN_SLOTS. [ruby-core:39777] [Bug #5380]
- * test/ruby/test_gc.rb (test_gc_parameter): add test for it.
- * test/ruby/envutil.rb (assert_normal_exit): add :child_env option to enable pass environemnt variables to child process.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@33432 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 8eecb0a9 - 10/08/2011 10:37 AM - kosaki (Motohiro KOSAKI)

merge revision(s) 33379:

- * gc.c (rb_gc_set_params): output GC parameter change messages only if -w/-v options are specified. these messages are output to stderr, not to stdout. [ruby-core:39795] [Bug #5380]
- * test/ruby/test_gc.rb (test_gc_parameter): add test for it.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@33433 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision b3da86e8 - 10/09/2011 01:18 PM - yugui (Yuki Sonoda)

merges r33379 and r33395 from trunk into ruby_1_9_3.

- gc.c (rb_gc_set_params): output GC parameter change messages only

if -w/-v options are specified. these messages are output to stderr,
not to stdout. [ruby-core:39795] [Bug #5380]

* test/ruby/test_gc.rb (test_gc_parameter): add test for it.

- gc.c (rb_gc_set_params): ruby_verbose can be Qnil, so use RTEST.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@33442 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 09/30/2011 06:43 PM - nagachika (Tomoyuki Chikanaga)

Thank you for reporting a bug.

I can reproduce similar SEGV on "ruby 1.9.4dev (2011-09-30 trunk 33364) [i686-linux]"
The following patch seems fix this issue.

Narihiro-san, could you take a glance to this patch?

```
diff --git a/gc.c b/gc.c
index fad49e0..1fce29a 100644
--- a/gc.c
+++ b/gc.c
@@ -1090,6 +1090,7 @@ add_heap_slots(rb_objspace_t *objspace, size_t add)
 for (i = 0; i < add; i++) {
 assign_heap_slot(objspace);
 }

 • heaps_inc = 0; }

static void
@@ -1106,7 +1107,6 @@ init_heap(rb_objspace_t *objspace)
}
#endif

 • heaps_inc = 0; objspace->profile.invoke_time = getrusage_time(); finalizer_table = st_init_numtable(); }
```

#2 - 09/30/2011 08:04 PM - nagachika (Tomoyuki Chikanaga)

BTW, when GC parameters are set by environment variable, some messages are output to standard output with printf().
I wonder if these are statements for debug and should be eliminated. Can I delete them?

#3 - 10/01/2011 12:17 AM - authorNari (Narihiro Nakamura)

Tomoyuki Chikanaga wrote:

Thank you for reporting a bug.

I can reproduce similar SEGV on "ruby 1.9.4dev (2011-09-30 trunk 33364) [i686-linux]"
The following patch seems fix this issue.

Narihiro-san, could you take a glance to this patch?

```
diff --git a/gc.c b/gc.c
index fad49e0..1fce29a 100644
--- a/gc.c
+++ b/gc.c
@@ -1090,6 +1090,7 @@ add_heap_slots(rb_objspace_t *objspace, size_t add)
 for (i = 0; i < add; i++) {
 assign_heap_slot(objspace);
 }

 • heaps_inc = 0; }

static void
@@ -1106,7 +1107,6 @@ init_heap(rb_objspace_t *objspace)
}
#endif

 • heaps_inc = 0; objspace->profile.invoke_time = getrusage_time(); finalizer_table = st_init_numtable(); }
```

Thanks! Please commit this patch.

#4 - 10/01/2011 12:21 AM - authorNari (Narihiro Nakamura)

Tomoyuki Chikanaga wrote:

BTW, when GC parameters are set by environment variable, some messages are output to standard output with printf().
I wonder if these are statements for debug and should be eliminated. Can I delete them?

I think this behavior is specific.
Matz, What do you think?

#5 - 10/01/2011 12:29 AM - nobu (Nobuyoshi Nakada)

Narihiro Nakamura wrote:

Tomoyuki Chikanaga wrote:

BTW, when GC parameters are set by environment variable, some messages are output to standard output with printf().
I wonder if these are statements for debug and should be eliminated. Can I delete them?

I think this behavior is specific.

I think they should be shown only when GC_NOTIFY is set, at least.

#6 - 10/01/2011 03:26 AM - matz (Yukihiko Matsumoto)

Nobuyoshi Nakada wrote:

I think this behavior is specific.

I think they should be shown only when GC_NOTIFY is set, at least.

or when -w option is specified.

#7 - 10/01/2011 10:00 AM - nagachika (Tomoyuki Chikanaga)

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

This issue was solved with changeset [r33368](#).
saber, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- gc.c (add_heap_slots, init_heap): reset heaps_inc zero when heap slots are expanded by environment variable RUBY_HEAP_MIN_SLOTS. [ruby-core:39777] [Bug [#5380](#)]
 - test/ruby/test_gc.rb (test_gc_parameter): add test for it.
 - test/ruby/envutil.rb (assert_normal_exit): add :child_env option to enable pass environment variables to child process.

#8 - 10/01/2011 11:22 AM - nagachika (Tomoyuki Chikanaga)

- File *gc_parameter_message.patch* added
- Category set to core
- Status changed from Closed to Assigned
- Assignee set to nagachika (Tomoyuki Chikanaga)
- Target version set to 1.9.3

Yukihiko Matsumoto wrote:

Nobuyoshi Nakada wrote:

I think this behavior is specific.

I think they should be shown only when GC_NOTIFY is set, at least.

or when -w option is specified.
Thank you for your comments.

I think shown with -w option is fine.
And I feel it's more natural the messages shown with -w are outputted to stderr.
I attach a patch with test.
If there's no opposite opinion, I'll check in it.

#9 - 10/04/2011 12:03 AM - nagachika (Tomoyuki Chikanaga)

- Status changed from Assigned to Closed

This issue was solved with changeset [r33379](#).
saber, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- gc.c (rb_gc_set_params): output GC parameter change messages only if -w/-v options are specified. these messages are output to stderr, not to stdout. [ruby-core:39795] [Bug [#5380](#)]
 - test/ruby/test_gc.rb (test_gc_parameter): add test for it.

Files

gc_parameter_message.patch	2.06 KB	10/01/2011	nagachika (Tomoyuki Chikanaga)
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