

## Ruby trunk - Bug #6058

### Stack overflow in SEGV Handler

02/22/2012 11:38 AM - authorNari (Narihiro Nakamura)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> kosaki (Motohiro KOSAKI)	
<b>Target version:</b> 2.0.0	
<b>ruby -v:</b> ruby 2.0.0dev (2012-02-22 trunk 34726) [x86_64-linux]	<b>Backport:</b>

#### Description

nari

SEGV

<http://c5664.rubyci.org/~chkbuild/ruby-trunk/log/20120221T130301Z.log.html.gz>

SIGSEGV

```
# uname -orv
```

```
2.6.18-274.el5 #1 SMP Fri Jul 22 04:43:29 EDT 2011 GNU/Linux
```

```
# cat /etc/redhat-release
```

```
CentOS release 5.7 (Final)
```

```
# ./miniruby -v
```

```
ruby 2.0.0dev (2012-02-22 trunk 34726) [x86_64-linux]
```

```
64bit CentOS 100%
```

```
./configure chkbuild
```

```
# gdb ./miniruby
```

```
(gdb) r -e 'Process.kill :SIGSEGV, $$'
```

```
Starting program: /root/ruby/ruby-trunk-svn/miniruby -e 'Process.kill :SIGSEGV, $$'
```

```
warning: no loadable sections found in added symbol-file system-supplied DSO at 0x2aaaaaab000
```

```
[Thread debugging using libthread_db enabled]
```

```
[New Thread 0x40003940 (LWP 5662)]
```

```
Program received signal SIGSEGV, Segmentation fault.
```

```
0x000000329b6306f7 in kill () from /lib64/libc.so.6
```

```
(gdb) c
```

```
Continuing.
```

```
-e:1: [BUG] Segmentation fault
```

```
ruby 2.0.0dev (2012-02-22 trunk 34726) [x86_64-linux]
```

```
-- Control frame information -----
```

```
Program received signal SIGSEGV, Segmentation fault.
```

```
0x00002aaaae08d040 in ?? ()
```

```
(gdb) up
```

```
#1 0x0000000004e6304 in st_lookup (table=0x7f7a90, key=8368, value=0x7fa0e8) at st.c:399
```

```
399 hash_val = do_hash(key, table);
```

```
(gdb) p table
```

```
$1 = (st_table *) 0x7f7a90
```

```
(gdb) p *table
```

```
$2 = {type = 0x2aaaae18cf08, num_bins = 217355419913, entries_packed = 0, num_entries = 1664379390147606789, bins =
```

```
0x2820766564302e30, head = 0x2d32302d32313032,
```

```
tail = 0x6b6e757274203232}
```

```
(gdb) up
```

```
#2 0x000000000490077 in rb_id2str (id=8368) at parse.y:10612
```

```
10612 if (st_lookup(global_symbols.id_str, id, &data)) {
```





This issue was solved with changeset [r34817](#).  
Narihiro, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

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- error.c (report\_bug): use buf and sprintf to avoid consuming stack. [ruby-dev:45272] [Bug [#6058](#)]

**#4 - 02/26/2012 05:44 AM - kosaki (Motohiro KOSAKI)**

- Status changed from Closed to Assigned

workaround `SEGV`

**#5 - 02/26/2012 05:48 AM - kosaki (Motohiro KOSAKI)**

`buf[256]`

`SEGV`  
`256`  
`Ruby`  
`fmt`

`256`

**#6 - 02/26/2012 02:58 PM - authorNari (Narihiro Nakamura)**

[r34817](#)

**#7 - 12/15/2012 11:38 PM - kosaki (Motohiro KOSAKI)**

- Status changed from Assigned to Closed

[#7141](#) `close`