

Ruby - Bug #4050

segfault while using regex in an infinite loop

11/14/2010 01:59 AM - mattoufoutu (Mathieu D)

| | | |
|--|---|------------------|
| Status: | Rejected | Backport: |
| Priority: | Normal | |
| Assignee: | | |
| Target version: | 1.9.2 | |
| ruby -v: | ruby 1.9.2p0 (2010-08-18 revision 29036) [i686-linux] | |
| Description | | |
| <p>=begin</p> <p>While learning ruby, I noticed that Regex matches were kept in memory to be able to access groups elements with \$1, \$2, and so on later in the code.</p> <p>So I wondered if this could fill my memory, and tried the following code:</p> <pre>s = "a" while true do s = s*2 s[/a+/] end</pre> <p>Which lead to a segmentation fault.</p> <p>(here is the full backtrace from irb: http://www.ideone.com/kNioo)</p> <p>I first thought that it was because my "s" variable was getting bigger and bigger, but after a simple test I noticed that it threw an ArgumentError.</p> <p>Shouldn't this throw an exception too? so it could be caught in the code.</p> <p>If I missed something (as said, i'm really new to ruby) and this report is pointless, I'm sorry, otherwise I hope it will be useful.</p> <p>Best regards.</p> <p>Mat</p> <p>=end</p> | | |

History

#1 - 11/18/2010 03:01 PM - naruse (Yui NARUSE)

=begin

Usually ruby runs GC on low memory.

But this program hold a huge memory by variable s, so it will crash.

=end

#2 - 11/23/2010 01:22 AM - naruse (Yui NARUSE)

- Status changed from Open to Rejected

=begin

=end