

Ruby - Bug #1311

YAML::dump creates strings YAML::load cannot parse

03/24/2009 04:56 AM - rampion (Noah Easterly)

<div><div>Status:Closed</div><div>Priority:Normal</div><div>Assignee:</div><div>Target version:</div><div>ruby -v:ruby 1.8.6 (2007-03-13 patchlevel 0) [powerpc-darwin8.9.0], ruby 1.8.7 (2008-05-31 patchlevel 0) [i686-darwin9.3.0]</div></div>		Backport:
<div>Description</div> <div>=begin</div> <div>This case seems to occur whenever</div> <div><ul style="list-style-type: none"><li>the string begins with a newline, and</li><li>the last line doesn't end in whitespace (except, perhaps, newlines), and</li><li>the second line (after the initial whitespace) begins with more whitespace than some later line</li></ul></div> <div>Here are a couple example strings:</div> <div><ul style="list-style-type: none"><li>"\n a\nb"</li><li>"\n a\n b\nc"</li><li>"\n a\n b"</li></ul></div> <div>YAML::load throws an ArgumentError with a syntax error on the line that begins with less leading whitespace.</div> <div><ul style="list-style-type: none"><li>YAML.load YAML.dump("\n a\nb") #=&gt; ArgumentError: syntax error on line 3, col 0: `b'</li><li>YAML.load YAML.dump("\n a\n b\nc") #=&gt; ArgumentError: syntax error on line 4, col 0: `c'</li><li>YAML.load YAML.dump("\n a\n b") #=&gt; ArgumentError: syntax error on line 3, col 1: ` b'</li></ul></div> <div>This has been observed in ruby-1.8.6p0 and ruby-1.8.7p0.</div> <div>Here is another observation of this same bug:</div> <div><a href="http://blog.smartlogicsolutions.com/2008/09/04/ruby-patch-to-fix-broken-yamldump-for-multi-line-strings-stringto_yaml/">http://blog.smartlogicsolutions.com/2008/09/04/ruby-patch-to-fix-broken-yamldump-for-multi-line-strings-stringto_yaml/</a></div> <div>=end</div>		
<div>Related issues:</div> <div>Is duplicate of Ruby - Bug #2767: YAML bug</div>		

Closed

02/20/2010

History

#1 - 03/24/2009 05:15 AM - rampion (Noah Easterly)

=begin  
Correction: should read "the second line (after the initial *newline*)"  
  
=end

#2 - 03/25/2009 09:54 PM - daz (Dave B)

- File *syck\_scan\_scalar.patch* added
- File *test\_yaml.patch* added

=begin  
Good reports, thanks.

I've found a workaround but I'm not sure enough about the YAML spec to guarantee that it's the correct fix.

The patch is mild - it just forces one style over another in the same way as the existing code and allows the new tests to pass along with the rest.

Two patches to 1.9.2dev - these files don't change often ;)

?CHANGELOG: Wed Mar 25 20:06:10 2009 Dave B [daz@d10.karoo.co.uk](mailto:daz@d10.karoo.co.uk)

\* ext/syck/emitter.c: Set SCAN\_WHITEEDGE flag when scalar begins with newline [[ruby-core:23006](#)][Bug [#1311](#)]

```
* test/yaml/test_yaml.rb: add new tests and comment old
Test::Unit::TestSuite code to enable them to run as $0
```

=end

### #3 - 09/30/2009 02:23 AM - coatl (caleb clausen)

- File *test\_yaml2.patch* added

- File *syck\_scan\_scalar2.patch* added

=begin

I have also been bitten by this same bug. In addition to the cases described above, this problem also occurs when the input contains just a single newline (in either unix or dos style). The patch supplied by Dave B fixes the case of a string containing just a single unix newline, but fails to fix a string with just a single dos newline (and probably the other cases initially reported, if the unix newlines are converted to dos newlines). I'm attaching slightly a slightly modified patches, which addresses the dos newline issue, and tests single dos and unix newlines.

This problem also occurs in ruby 1.9.

=end

### #4 - 11/13/2009 06:11 AM - daz (Dave B)

=begin

Caleb's revisions are the way to go.

( test\_yaml2.patch & syck\_scan\_scalar2.patch )

Harmlessly beneficial - no compatibility issues - emits YAML to the spec.

daz

=end

### #5 - 03/19/2010 09:02 PM - weppos (Simone Carletti)

- File *yaml-error.txt* added

=begin

Here's an other test case for a similar issue.

require 'yaml'

```
c = File.read("yaml-error.txt")
YAML.load(YAML.dump(c))
'rgumentError: syntax error on line 34, col 0: -- from /Users/weppos/.rvm/ruby-1.8.7-p248/lib/ruby/1.8/yaml.rb:133:in load'
from /Users/weppos/.rvm/ruby-1.8.7-p248/lib/ruby/1.8/yaml.rb:133:in `load'
from (irb):3
=end
```

### #6 - 04/09/2010 01:41 AM - mame (Yusuke Endoh)

- Status changed from Open to Closed

=begin

Hi,

Syck is deprecated, in effect. This issue won't be fixed. Instead, try Psych. [[ruby-core:29337](#)]

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Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

=end

### #7 - 04/10/2010 01:54 AM - coatl (caleb clausen)

=begin

Yusuke Endoh and I have verified that all of the test cases reported here are fixed when using psych. For proof of most, see [[ruby-core:29323](#)]. And I

just now verified the last test case is now ok, submitted by Simone Carletti. (No console dump, sorry.)  
=end

**#8 - 05/03/2010 08:15 AM - nobu (Nobuyoshi Nakada)**  
*- Status changed from Closed to Open*

=begin  
=end

**#9 - 05/03/2010 08:17 AM - nobu (Nobuyoshi Nakada)**  
*- Status changed from Open to Closed*  
*- % Done changed from 0 to 100*

=begin  
This issue was solved with changeset r27591.  
Noah, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.  
=end

Files			
syck_scan_scalar.patch	497 Bytes	03/25/2009	daz (Dave B)
test_yaml.patch	1.32 KB	03/25/2009	daz (Dave B)
test_yaml2.patch	1.42 KB	09/30/2009	coatl (caleb clausen)
syck_scan_scalar2.patch	540 Bytes	09/30/2009	coatl (caleb clausen)
yaml-error.txt	1.43 KB	03/19/2010	weppos (Simone Carletti)