

## Ruby master - Bug #6266

### encoding related exception with recent integrated psych

04/07/2012 01:10 AM - jonforums (Jon Forums)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> tenderlovmaking (Aaron Patterson)	
<b>Target version:</b> 1.9.3	
<b>ruby -v:</b> ruby 1.9.3p176 (2012-04-04 revision 35238) [i386-mingw32]	<b>Backport:</b>

#### Description

Newer versions of Psych integrated into both ruby\_1\_9\_3 and trunk create exceptions if the yaml file isn't perceived to be correctly encoded.

While I discovered this in my code that uses the 'logging' gem on Win7 32bit, this test snippet shows the same failure on both ruby\_1\_9\_3@r35238 and trunk@r35229:

```
# hello.yml uses LF-only line endings
```

```
C:\temp>type hello.yml
:greeting: hello yaml
```

```
# yaml_test.rb uses LF-only
```

```
C:\temp>type yaml_test.rb
require 'yaml'
puts "YAML engine: #{YAML::ENGINE.yamler} #{'v'+Psych::VERSION if defined?(Psych)}"
```

```
# fix: 'rb'
```

```
# fix: 'r:utf-8'
```

```
# fix: Encoding.default_external = Encoding::UTF_8 if defined?(Encoding)
```

```
# fix: chcp 65001 in cmd.exe before running script
```

```
# fix: run script with ruby -Eutf-8
```

```
File.open("hello.yml", 'r') do |f|
```

```
puts YAML.load_stream(f)
```

```
end
```

```
# IBM437 codepage is a typical default for the cmd.exe shell
```

```
C:\temp>chcp
```

```
Active code page: 437
```

```
C:\temp>ruby -v yaml_test.rb
```

```
ruby 1.9.3p176 (2012-04-04 revision 35238) [i386-mingw32]
```

```
YAML engine: psych v1.3.1
```

```
C:/ruby193/lib/ruby/1.9.1/psych.rb:206:in parse': YAML file must be UTF-8, UTF-16LE, or UTF-16BE, not IBM437 (ArgumentError)
```

```
from C:/ruby193/lib/ruby/1.9.1/psych.rb:206:in parse_stream'
```

```
from C:/ruby193/lib/ruby/1.9.1/psych.rb:289:in load_stream'
```

```
from yaml_test.rb:10:in block in '
```

```
from yaml_test.rb:9:in open'
```

```
from yaml_test.rb:9:in'
```

```
# older versions of integrated psych do not cause exceptions
```

```
C:\temp>chcp
```

```
Active code page: 437
```

```
C:\temp>ruby -v yaml_test.rb
```

```
tcs-ruby 1.9.3p134 (2012-02-19, TCS patched 2012-02-25) [i386-mingw32]
```

```
YAML engine: psych v1.2.2
```

```
{:greeting=>"hello yaml"}
```

I've not tried on Arch with bash.

From the test\_yaml.rb comments you can see some of the workarounds. None of these are good options because they require changes to either a users code/yaml, gem code that uses the psych library, or the ruby invocation command line.

For both trunk and ruby\_1\_9\_3, I'd prefer psych implement a fallback strategy that Just Works combined with an informative warning rather than a hard exception.

## History

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### #1 - 04/07/2012 06:31 AM - jonforums (Jon Forums)

On Arch (3.2.14-1-ARCH) the sample also exceptions when I change my locale to en\_US.iso88591 from en\_US.utf8.

But on trunk it doesn't matter anymore :)

```
$ ruby -v yaml_test.rb
ruby 2.0.0dev (2012-04-07 trunk 35247) [i686-linux]
YAML engine: psych v1.3.1
{:greeting=>"hello yaml"}
```

...and trunk looks good on Win7 32bit

```
C:\temp>chcp
Active code page: 437
```

```
C:\temp>ruby -v yaml_test.rb
ruby 2.0.0dev (2012-04-07 trunk 35247) [i386-mingw32]
YAML engine: psych v1.3.1
{:greeting=>"hello yaml"}
```

Speedy...thanks! I'll fetch ruby\_1\_9\_3 later and double check.

### #2 - 04/07/2012 10:29 AM - Anonymous

- File noname added

On Sat, Apr 07, 2012 at 06:31:25AM +0900, jonforums (Jon Forums) wrote:

Issue [#6266](#) has been updated by jonforums (Jon Forums).

On Arch (3.2.14-1-ARCH) the sample also exceptions when I change my locale to en\_US.iso88591 from en\_US.utf8.

But on trunk it doesn't matter anymore :)

```
$ ruby -v yaml_test.rb
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YAML engine: psych v1.3.1
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...and trunk looks good on Win7 32bit

```
C:\temp>chcp
Active code page: 437
```

```
C:\temp>ruby -v yaml_test.rb
ruby 2.0.0dev (2012-04-07 trunk 35247) [i386-mingw32]
YAML engine: psych v1.3.1
{:greeting=>"hello yaml"}
```

Speedy...thanks! I'll fetch ruby\_1\_9\_3 later and double check.

I need to backport the fix to ruby\_1\_9\_3 first. :-)

I'll put together the patches for the 1.9.3 branch and open a ticket to backport. Thanks for testing!

--  
Aaron Patterson  
<http://tenderlovmaking.com/>

### #3 - 04/17/2012 09:19 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned

### #4 - 04/17/2012 09:58 PM - jonforums (Jon Forums)

r35245 fixed this issue, and r35251 backported to ruby\_1\_9\_3

#5 - 04/17/2012 10:06 PM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed

Okay, closing. Thanks!

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

## Files

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noname	500 Bytes	04/07/2012	Anonymous
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