

## Ruby master - Feature #6910

### Loading syck's broken yaml with psych

08/23/2012 11:04 AM - naruse (Yui NARUSE)

<b>Status:</b>	Rejected
<b>Priority:</b>	Normal
<b>Assignee:</b>	tenderlovmaking (Aaron Patterson)
<b>Target version:</b>	2.0.0
<b>Description</b> You know, syck outputs wrong yaml. For example, syck works as following:  ruby-1.9.2 > ["\u3042",Time.at(0).to_s].to_yaml => "--- \n- \"\xE3\x81\x82\"\n- 1970-01-01 09:00:00 +09:00\n"  It should be  ruby-1.9.3 > ["\u3042",Time.at(0).to_s].to_yaml => "---\n- []\n- '1970-01-01 09:00:00 +0900\n"  syck's dump of Unicode string is interpreted as "\u00E3\u0081\u0082". syck's dump of Time like string is interpreted as Time. It is hard to migrate old data to new and correct data, so it is useful if psych has a such compatibility option.	

### History

#### #1 - 08/23/2012 01:23 PM - Anonymous

- File noname added

On Thu, Aug 23, 2012 at 11:04:22AM +0900, naruse (Yui NARUSE) wrote:

Issue [#6910](#) has been reported by naruse (Yui NARUSE).

Feature [#6910](#): Loading syck's broken yaml with psych  
<https://bugs.ruby-lang.org/issues/6910>

Author: naruse (Yui NARUSE)  
Status: Assigned  
Priority: Normal  
Assignee: tenderlovmaking (Aaron Patterson)  
Category: ext  
Target version: 2.0.0

You know, syck outputs wrong yaml.  
For example, syck works as following:

```
ruby-1.9.2 > ["\u3042",Time.at(0).to_s].to_yaml  
=> "--- \n- \"\xE3\x81\x82\"\n- 1970-01-01 09:00:00 +09:00\n"
```

It should be

```
ruby-1.9.3 > ["\u3042",Time.at(0).to_s].to_yaml  
=> "---\n- []\n- '1970-01-01 09:00:00 +0900\n"
```

syck's dump of Unicode string is interpreted as "\u00E3\u0081\u0082".  
syck's dump of Time like string is interpreted as Time.  
It is hard to migrate old data to new and correct data, so it is useful if psych has a such compatibility option.

It's possible to have both syck and psych loaded in 1.9.3 (also 1.9.2 I think):

```
require 'syck'  
require 'yaml'  
require 'psych'
```

```

def convert legacy
  Psych.dump YAML.load legacy
end

legacy = YAML.dump ["\u3042", Time.at(0).to_s]

puts convert legacy

```

I'm pushing syck to a gem so people can do this even further in the future.

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

**#2 - 08/23/2012 03:49 PM - naruse (Yui NARUSE)**

I want to migrate gradually.  
 The way needs explicit big bang conversion.

**#3 - 08/24/2012 01:23 AM - Anonymous**

- File noname added

On Thu, Aug 23, 2012 at 03:49:03PM +0900, naruse (Yui NARUSE) wrote:

Issue [#6910](#) has been updated by naruse (Yui NARUSE).

I want to migrate gradually.  
 The way needs explicit big bang conversion.

Then I guess you need a way to differentiate converted yaml from non-converted yaml. Most people I've helped with this use something out of band like a database column to mark the conversion. However, it is possible to use a YAML version. Syck does not support YAML 1.1, so we can tag the YAML as version 1.1. Unfortunately, syck will not raise an exception on the version identifier, so we have to test for it ourselves. Here is an example:

```

require 'syck'
require 'yaml'
require 'psych'
require 'minitest/autorun'

class Loader < MiniTest::Unit::TestCase
  def converted? text
    text =~ /\A%YAML 1\.1/
  end

  def load_yaml text
    if converted? text
      Psych.load text
    else
      YAML.load text
    end
  end

  def dump_yaml object
    Psych.dump object, {:version => [1,1]}
  end

  def test_convert
    obj = ["\u3042", Time.at(0).to_s]
    legacy_yaml = YAML.dump obj
    obj2 = load_yaml legacy_yaml

    # we can load legacy yaml
    assert_equal obj, obj2

    converted_yaml = dump_yaml obj

    # make sure the yaml is tagged when dumping
    assert converted? converted_yaml
  end
end

```

```
# make sure object loaded from converted yaml is same
assert_equal obj, load_yaml(converted_yaml)
end
end
```

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Aaron Patterson

<http://tenderlovmaking.com/>

#### #4 - 10/27/2012 02:12 PM - tenderlovmaking (Aaron Patterson)

- Status changed from Assigned to Rejected

I've pushed a gem for people that want to upgrade to Ruby 2.0.0, but still have Syck's YAML:

<https://rubygems.org/gems/syck>

Since libyaml does the actual YAML parsing, we would either have to include syck with psych, or ship libyaml with ruby and modify it's parser. I think the gem option is the best route. People can still use it to parse old YAML.

#### Files

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noname	500 Bytes	08/23/2012	Anonymous
noname	500 Bytes	08/24/2012	Anonymous