

Ruby master - Feature #9846

Regexp#to_regexp

05/16/2014 12:18 PM - wconrad (Wayne Conrad)

Status:	Rejected
Priority:	Normal
Assignee:	
Target version:	
Description	
There should be Regexp#to_regexp, just as there is Array#to_ary and String#to_str.	
<pre>p [].to_ary # => [] p ''.to_str # => "" p //.to_regexp # undefined method `to_regexp`...</pre>	
The use case is code like this:	
<pre>if o.respond_to?(:to_ary) # do something with o.to_ary elsif o.respond_to?(:to_str) # do something with o.to_str elsif o.respond_to?(:to_regexp) # can't do this today # do something with o.to_regexp</pre>	
The workaround is to use Regexp.try_convert. Regexp.try_convert accepts either a Regexp or an object that responds to #to_regexp; so this code works fine (and is in some ways better):	
<pre>elsif re = Regexp.try_convert(o) # do something with o</pre>	
Still, that Regexp does not respond to #to_regexp surprised me. Does it surprise anyone else?	

History

#1 - 05/16/2014 12:32 PM - wconrad (Wayne Conrad)

- File 0001-re.c-rb_reg_to_regexp-add-to_regexp.patch added

#2 - 12/17/2016 11:29 PM - justcolin (Colin Fulton)

I know this is an old issues, but this also surprised me.

#3 - 12/18/2016 02:34 AM - nobu (Nobuyoshi Nakada)

- Description updated

```
case
when ary = Array.try_convert(o)
  # do something with ary
when str = String.try_convert(o)
  # do something with str
when re = Regexp.try_convert(o)
  # do something with re
else
  # do other thing
end
```

#4 - 02/22/2017 07:06 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Rejected

Is there any concrete use-case? Consistency is not the best reason.
This proposal leads against Duck typing.

Matz.

Files

0001-re.c-rb_reg_to_regexp-add-to_regexp.patch

2 KB

05/16/2014

wconrad (Wayne Conrad)