

Ruby master - Feature #16699

Silence/ignore particular warnings from some parts of the code (in a .rb file)

03/19/2020 08:54 PM - shevegen (Robert A. Heiler)

Status:	Feedback
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>I would like to make it possible to briefly enable or disable particular warnings: those related to modifying a constant or a method.</p> <p>It is possible to silence a specific warning as in:</p> <pre>SOME_CONSTANT = 42 old_verbose_value = \$VERBOSE \$VERBOSE = nil SOME_CONSTANT = 24 \$VERBOSE = old_verbose_value</pre> <p>I needed to do so to redefine a method. I had to add an instance variable to that method. There are alternatives, e.g. including a module, or subclassing, but I wanted to just redefine the method as is, without incurring a warning message on the command line. The above way to re-assign \$VERBOSE works fine. It should be kept. At the same time, though, looking at \$variables is not that elegant, and it feels a tiny bit hackish too; plus, it may be useful if ruby users may use a more common idiom for this procedure.</p> <p>I found out that rails has this:</p> <pre>https://apidock.com/rails/Kernel/silence_warnings</pre> <p>It may be elegant to have a method, be it in Kernel, or in Warnings, or another particular name (silence_warnings is not a bad name).</p> <p>There may be more use cases, but I am only thinking about these two use cases.</p> <p>I refer ONLY to situations where the ruby developer would be aware that a warning would be silenced. I run with -w all the time, but not every warning is equally useful to me.</p> <p>It may be helpful if you could comment a use case for something like this. It may be also helpful if others comment whether the use case may be useful or not.</p> <p>We can only settle for a single short method. Otherwise, the current way would be better.</p>	

History

#1 - 03/19/2020 09:18 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Feedback

Warning.warn added in ruby 2.4 offers the core infrastructure that allows this. The warning gem (<https://rubygems.org/gems/warning>) offers a nice API to support the filtering of such warnings, assuming they are correctly prefixed by the filename in which the warning occurs. rb_warn and rb_warning in the C-API both use that format, as does Kernel#warn with the :uplevel option. Do you see a need for an additional feature in this area, and if so, what do you think the API should look like?

#2 - 03/20/2020 09:56 AM - sawa (Tsuyoshi Sawada)

- Description updated

- Subject changed from Consider providing ruby developers with a way to specifically silence/ignore particular warnings from some parts of the code (in a .rb file) to Silence/ignore particular warnings from some parts of the code (in a .rb file)

#3 - 03/20/2020 09:24 PM - Eregon (Benoit Daloze)

It's also worth noting that changing \$VERBOSE is not thread-safe (it's a truly global variable) and might suppress more or less warnings than intended.