

Ruby - Feature #8635

attr_accessor with default block

07/14/2013 11:59 PM - judofyr (Magnus Holm)

Status:	Open	
Priority:	Normal	
Assignee:		
Target version:		
Description =begin It's quite common to define attributes (like attr_reader, attr_accessor) with default values. It would be useful if Ruby provided a helper method for this case. attr_accessor and attr_reader can support this nicely using a default block: class Person (1) Simple approach attr_writer :name def name @name = 'Hello' end (2) nil-safe approach attr_writer :name def name return @name if defined? @name @name = 'Hello' end (3) This proposal attr_accessor :name do 'Hello' end p = Person.new p.instance_variable_get(:@name) # => nil p.name # => 'Hello' p.instance_variable_get(:@name) # => 'Hello' Problems with current approaches: • The reader and the writer looks widely different • Solution 1 doesn't work as intended when the default value may evaluate to nil/false • Solution 2 requires you to write the attribute name five times =end		

History

#1 - 07/16/2013 01:07 AM - rkh (Konstantin Haase)

If this should be added, could you consider adding it with a read-write-lock?

#2 - 07/16/2013 07:53 PM - judofyr (Magnus Holm)

On Mon, Jul 15, 2013 at 6:07 PM, rkh (Konstantin Haase) me@rkh.im wrote:

Issue [#8635](#) has been updated by rkh (Konstantin Haase).

If this should be added, could you consider adding it with a read-write-lock?

What do you mean?

Is it for thread-safety? In that case: I disagree. Concurrent classes needs to be specifically designed, and I don't want to add any overhead to `attr_accessor`.

Or is it for detecting recursive calls in the same thread?

#3 - 07/17/2013 12:35 AM - avdi (Avdi Grimm)

Just adding some prior art...

There have been many, many takes on this in various gems, but I thought I'd drop in a note about <https://github.com/ahoward/fattr>, which is my personal favorite and a gem I've used happily for many years. It might provide some implementation inspiration.

#4 - 07/23/2013 06:01 AM - prijutme4ty (Ilya Vorontsov)

May be thread-safety should be optional. But it definitely should be.

#5 - 12/23/2021 11:43 PM - hsbt (Hiroshi SHIBATA)

- *Project changed from 14 to Ruby*