Ruby - Feature #2837

Compile-time constant for HEAP_GROWTH_FACTOR (patch attached)

03/05/2010 05:20 AM - adgar (Michael Edgar)

Status:	Closed			
Priority:	Normal			
Assignee:	authorNari (Narihiro Nakamura)			
Target version:	2.6			
Description				
modify this value (RI a constant at 1.8 in c I've included a patch	creases the size at which newly-created hea EE uses a value of 1 instead of 1.8, for exan gc.c:980. In to expose this as a compile-time constant (In I submitted in Issue 1047: <u>http://redmine.ru</u>	nple). In the trunk version of HEAP_GROW_FACTOR), a	this code, this code, this code, this code, the second sec	hat value is hard-coded in as
Related issues:				
Related to Ruby - Feat	ure #8015: [patch] tuneable HEAP_GROWTH_FA	CTOR	Closed	03/05/2013
History				
	PM - nobu (Nobuyoshi Nakada)			
=begin Hi,				
At Fri, 5 Mar 2010 05:2 Michael Edgar wrote in				
l've included a pat	tch to expose this as a compile-time			

I've included a patch to expose this as a compile-time constant (HEAP_GROW_FACTOR), and also included getters and setters in the style of the patch I submitted in Issue 1047: http://redmine.ruby-lang.org/issues/show/1047.

At least, they must be members of rb_objspace_t, and the argument ranges should be checked.

--Nobu Nakada

- - - - --

=end

#2 - 03/05/2010 06:34 PM - adgar (Michael Edgar)

=begin

At least, they must be members of rb_objspace_t, and the argument ranges should be checked.

I considered this, though they are compile-time constants that are being replaced. Pre-patch, they aren't currently in the rb_objspace_t. The malloc_limit accessor affects the currently rb_objspace_t as appropriate, but the HEAP_MIN_SLOTS accessors don't since that value doesn't directly affect existing structures. I can certainly put a heap_min_slots member into rb_objspace_t.

Also, which argument ranges are considered valid? Perhaps a malloc_limit of at least 10K? I don't know how small of a footprint Ruby could fit into that people would like. While most people increase these values beyond their initial defaults, I wouldn't want to set the limit too low.

Thanks! =end

#3 - 04/02/2010 08:52 AM - znz (Kazuhiro NISHIYAMA)

- Target version set to 2.0.0

=begin

#4 - 03/18/2012 03:30 PM - nahi (Hiroshi Nakamura)

- Description updated
- Assignee set to authorNari (Narihiro Nakamura)

#5 - 03/18/2012 06:46 PM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Assigned

#6 - 10/27/2012 11:26 AM - authorNari (Narihiro Nakamura)

- Target version changed from 2.0.0 to 2.6

#7 - 03/05/2013 11:02 AM - nobu (Nobuyoshi Nakada)

This patch contains not only the subject but also the accessors. It isn't acceptable and you should separate them, I think.

#8 - 03/18/2013 12:04 PM - authorNari (Narihiro Nakamura)

- Status changed from Assigned to Closed

I commited r39746.

We can change HEAP_GROWTH_FACTOR via an enviroment variable now. So I close this ticket.

Thanks.

Files

grow_factor.patch

2 KB

03/05/2010

adgar (Michael Edgar)