

Ruby - Bug #4983

Fiber

07/06/2011 09:13 PM - kosaki (Motohiro KOSAKI)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	kosaki (Motohiro KOSAKI)	
Target version:	1.9.3	
ruby -v:	trunk	
Description		
<pre>PROT_READ PROT_WRITE static VALUE* fiber_machine_stack_alloc(size_t size) { VALUE ptr; (snip) } else { void page; STACK_GROW_DIR_DETECTION; ptr = (VALUE)mmap(NULL, size, PROT_READ PROT_WRITE, MAP_PRIVATE MAP_ANON, -1, 0); if (ptr == (VALUE)(SIGNED_VALUE)-1) { rb_raise(rb_eFiberError, "can't alloc machine stack to fiber"); } page = ptr + STACK_DIR_UPPER((size - RB_PAGE_SIZE) / sizeof(VALUE), 0); if (mprotect(page, RB_PAGE_SIZE, PROT_READ PROT_WRITE) < 0) { rb_raise(rb_eFiberError, "mprotect failed"); } }</pre>		
Related issues:		
Related to Ruby - Bug #3781: FIBER_USE_NATIVE		Closed 09/02/2010
Related to Ruby - Bug #1813: Threading seg fault (1.9.1-p129 Linux/Mac)		Closed 07/24/2009

Associated revisions

Revision 032e56fb - 07/06/2011 12:29 PM - kosaki (Motohiro KOSAKI)

- cont.c (fiber_machine_stack_alloc): fix mprotect misuse. A stack guard page should have PROT_NONE.
- cont.c (fiber_initialize_machine_stack_context): th->machine_stack_maxsize shouldn't be included guard pages size. [Bug #4983][ruby-dev:44043]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32421 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 07/06/2011 09:16 PM - kosaki (Motohiro KOSAKI)

#define FIBER_MACHINE_STACK_ALLOCATION_SIZE (0x10000 / sizeof(VALUE))

sizeof(VALUE) sizeof(VALUE) sizeof(VALUE)

#2 - 07/06/2011 09:29 PM - kosaki (Motohiro KOSAKI)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r32421.

Motohiro, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- cont.c (fiber_machine_stack_alloc): fix mprotect misuse. A stack guard page should have PROT_NONE.
- cont.c (fiber_initialize_machine_stack_context):
th->machine_stack_maxsize shouldn't be included guard pages size.
[Bug #4983][[ruby-dev:44043](#)]