

## Ruby master - Bug #4983

Fiber

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

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> kosaki (Motohiro KOSAKI)	
<b>Target version:</b> 1.9.3	
<b>ruby -v:</b> trunk	<b>Backport:</b>
<b>Description</b> 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"); }	
<b>Related issues:</b>	
Related to Ruby master - Bug #3781: FIBER_USE_NATIVE	Closed 09/02/2010
Related to Ruby master - 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

#### Revision 32421 - 07/06/2011 12:29 PM - kosaki (Motohiro KOSAKI)

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