

## Ruby master - Bug #15315

### ec\_switch can still lose interrupts

11/18/2018 12:50 AM - normalperson (Eric Wong)

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b> ko1 (Koichi Sasada)	
<b>Target version:</b>	
<b>ruby -v:</b>	<b>Backport:</b> 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
<b>Description</b> ec_switch and thread switching may still lose interrupts  trap interrupt is OK because of r64062  Not OK:  1) postponed job interrupt from MJIT worker This is trickiest to solve because it also affects thread switching, not just EC switching  2) pending interrupt is not safe but fixing ec_switch is sufficient because rb_threadptr_interrupt only targets threads, not EC.  3) timer interrupt is not critical because another interrupt will fire in 100ms  Solutions:  moving interrupt_flag back to rb_thread_t will solve 2 and 3  1) will remain dangerous, we need to add extra checks at thread switching because MJIT worker may get stuck if target thread stalls or dies.	

### History

#1 - 11/18/2018 01:11 AM - normalperson (Eric Wong)

- File 0001-vm\_core.h-move-interrupt\_flag-back-to-rb\_thread\_t.patch added

#2 - 11/19/2018 01:40 PM - k0kubun (Takashi Kokubun)

1) will remain dangerous

Is this about Bug [#15316](#)?

#3 - 11/20/2018 09:32 AM - normalperson (Eric Wong)

[takashikkbn@gmail.com](mailto:takashikkbn@gmail.com) wrote:

1) will remain dangerous

Is this about Bug [#15316](#)?

Partially, yes (sorry, just (mostly) wrapped up Thread::Light  
for review on Linux and unlikely to be online much due to  
family stuff.

### Files

0001-vm_core.h-move-interrupt_flag-back-to-rb_thread_t.patch	4.54 KB	11/18/2018	normalperson (Eric Wong)
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