

Ruby master - Bug #17164

Threads can ignore kill/interrupt/abort

09/10/2020 08:02 PM - sprints (Matt Burke)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: 2.7.1	Backport: 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN
Description Threads can opt-out of requests to shut down the thread, including 'thr.kill' and the interrupt that happens when a main thread shuts down. When the interrupt happens, 'ensure' clauses will run in the thread's stack. If one of these clauses raises an error, a higher stack frame can rescue it and then execution proceeds as normal. My understanding is that, when the main thread exits, all other threads are supposed to exit and then the program will exit. Using this 'ensure-raise-rescue' technique, a thread can delay program shutdown indefinitely. The attached script reproduces the problem. It is very hard to exit without using 'kill -9'.	
Related issues: Is duplicate of Ruby master - Bug #13882: Exception in `ensure` stops threads... Assigned	

History

#1 - 09/10/2020 10:43 PM - jeremyevans0 (Jeremy Evans)

- Is duplicate of Bug #13882: Exception in `ensure` stops threads from exiting added

Files

neverexit.rb	422 Bytes	09/10/2020	sprints (Matt Burke)
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