

## Ruby master - Bug #16774

### Don't require sub-word atomics

04/10/2020 02:02 PM - schwab (Andreas Schwab)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b>	<b>Backport:</b> 2.5: REQUIRED, 2.6: REQUIRED, 2.7: REQUIRED
<b>Description</b> On some architectures (like RISC-V) sub-word atomics are only available when linking against -latomic, but the configure script doesn't do that, causing the atomic checks to fail and the resulting ruby binary is non-functional. Ruby does not use sub-word atomic operations, rb_atomic_t is defined to unsigned int, so use unsigned int when checking for atomic operations.	
<b>Related issues:</b> Has duplicate Ruby master - Bug #16800: [riscv64-linux] miniruby: thread_pthr... <b>Closed</b>	

#### History

**#1 - 04/11/2020 01:16 AM - nobu (Nobuyoshi Nakada)**

- Backport changed from 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN to 2.5: REQUIRED, 2.6: REQUIRED, 2.7: REQUIRED

**#2 - 04/20/2020 01:17 AM - mame (Yusuke Endoh)**

- Has duplicate Bug #16800: [riscv64-linux] miniruby: thread\_pthread.c:1935: rb\_sigwait\_fd\_put: Assertion `old == th' failed. added

**#3 - 04/20/2020 01:21 AM - mame (Yusuke Endoh)**

Great. Thank you.

**#4 - 08/28/2020 09:49 PM - jeremyevans0 (Jeremy Evans)**

- Status changed from Open to Closed

This was committed at [abe2e7de4d1f2d5861d7c9ab9c7e778f2ee1dcd2](#)

#### Files

0001-Don-t-require-sub-word-atomics.patch	1.41 KB	04/10/2020	schwab (Andreas Schwab)
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