
Subject: Re: CONFIG_4KSTACKS

Posted by [dev](#) on Fri, 11 Aug 2006 13:11:25 GMT

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Here what Vasiliy found. Right column is stack usage in functions from call trace. It really looks like it is unsafe to use DRBD with 4k stacks :/

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Jul 31 05:40:31 node1 kernel: [<f4905312>] e1000_xmit_frame+0x642/0xc10 [e1000] 60 A84
Jul 31 05:40:31 node1 kernel: [<c03d4b93>] qdisc_restart+0x83/0x1e0 c
Jul 31 05:40:31 node1 kernel: [<c03c70ff>] dev_queue_xmit+0xdf/0x360 14
Jul 31 05:40:31 node1 kernel: [<c03e6cc8>] ip_finish_output2+0xa8/0x1a0 c A04
Jul 31 05:40:31 node1 kernel: [<c03d240e>] nf_hook_slow+0xee/0x130 28
Jul 31 05:40:32 node1 kernel: [<c03e4695>] ip_finish_output+0x1f5/0x200 1c
Jul 31 05:40:32 node1 kernel: [<c03e6c04>] dst_output+0x14/0x30 4
Jul 31 05:40:32 node1 kernel: [<c03d240e>] nf_hook_slow+0xee/0x130 28
Jul 31 05:40:33 node1 kernel: [<c03e4d5c>] ip_queue_xmit+0x44c/0x560 cc
Jul 31 05:40:33 node1 kernel: [<c03f6b78>] tcp_transmit_skb+0x598/0x950 34
Jul 31 05:40:33 node1 kernel: [<c03f7882>] tcp_write_xmit+0x182/0x320 1c
Jul 31 05:40:33 node1 kernel: [<c03f44fb>] __tcp_data_snd_check+0xeb/0x100 1c
Jul 31 05:40:33 node1 kernel: [<c03f4e6d>] tcp_rcv_established+0x4fd/0xa10 20
Jul 31 05:40:34 node1 kernel: [<c03fee72>] tcp_v4_do_rcv+0x162/0x170 10
Jul 31 05:40:34 node1 kernel: [<c03c03c5>] __release_sock+0x45/0x70 8
Jul 31 05:40:34 node1 kernel: [<c03c0bb8>] release_sock+0x78/0x80 c
Jul 31 05:40:34 node1 kernel: [<c03ea75c>] tcp_sendmsg+0x4bc/0x12f0 68
Jul 31 05:40:34 node1 kernel: [<c040f85d>] inet_sendmsg+0x4d/0x60 14
Jul 31 05:40:34 node1 kernel: [<c03bce8d>] sock_sendmsg+0x9d/0xc0 b0 790
Jul 31 05:40:34 node1 kernel: [<c03bcef6>] kernel_sendmsg+0x46/0x60 14
Jul 31 05:40:34 node1 kernel: [<f4d10595>] drbd_send+0xb5/0x260 [drbd] 40
Jul 31 05:40:34 node1 kernel: [<f4d0ff8f>] drbd_send_dblock+0x21f/0x4d0 [drbd] 48
Jul 31 05:40:34 node1 kernel: [<f4d09d73>] drbd_make_request_common+0x4a3/0x920
[drbd] 64
Jul 31 05:40:34 node1 kernel: [<f4d0a2d6>] drbd_make_request_26+0xe6/0x29d [drbd] 18
Jul 31 05:40:34 node1 kernel: [<c02640bb>] generic_make_request+0x16b/0x1f0 4c
Jul 31 05:40:35 node1 kernel: [<c02641b0>] submit_bio+0x70/0x130 48
Jul 31 05:40:35 node1 kernel: [<c0171cda>] submit_bh+0x13a/0x1a0 1c
Jul 31 05:40:35 node1 kernel: [<c0171daf>] ll_rw_block+0x6f/0x90 8
Jul 31 05:40:35 node1 kernel: [<c01f9000>] __flush_batch+0x30/0x70 c
Jul 31 05:40:35 node1 kernel: [<c01f9103>] __flush_buffer+0xc3/0x200 30
Jul 31 05:40:35 node1 kernel: [<c01f935a>] log_do_checkpoint+0x11a/0x260 12c
Jul 31 05:40:35 node1 kernel: [<c01f8d63>] __log_wait_for_space+0x113/0x130 1c
Jul 31 05:40:35 node1 kernel: [<c01f226e>] start_this_handle+0x10e/0x4b0
Jul 31 05:40:35 node1 kernel: [<c01f274d>] journal_start+0xed/0x120 28 38C
Jul 31 05:40:36 node1 kernel: [<c01e2eba>] ext3_ordered_writpage+0x6a/0x200 1C
Jul 31 05:40:36 node1 kernel: [<c0156d02>] pageout+0xc2/0x110 48
Jul 31 05:40:36 node1 kernel: [<c0156fc1>] shrink_list+0x271/0x520 60
Jul 31 05:40:36 node1 kernel: [<c0157402>] shrink_cache+0x192/0x400 60
Jul 31 05:40:36 node1 kernel: [<c0157e0a>] shrink_zone+0xba/0xf0 8
Jul 31 05:40:36 node1 kernel: [<c0157eac>] shrink_caches+0x6c/0x70 8
```

Jul 31 05:40:36 node1 kernel: [<c0157fb0>] try_to_free_pages+0x100/0x2b0 64
Jul 31 05:40:36 node1 kernel: [<c014f5f9>] __alloc_pages+0x349/0x410 40
Jul 31 05:40:36 node1 kernel: [<c014c9b5>] generic_file_aio_write_nolock+0x355/0xbb0 bc
Jul 31 05:40:37 node1 kernel: [<c014d319>] generic_file_aio_write+0x79/0xb0 64
Jul 31 05:40:37 node1 kernel: [<c01df844>] ext3_file_write+0x44/0xd0 20
Jul 31 05:40:37 node1 kernel: [<c016ccf8>] vfs_write+0xb8/0x130 28
Jul 31 05:40:37 node1 kernel: [<c016ce41>] sys_write+0x51/0x80 24
Jul 31 05:40:37 node1 kernel: [<c04265fb>] syscall_call+0x7/0xb
