
Subject: [SOLVED] WARNING: at kernel/futex.c:537 futex_lock_pi

Posted by [chernomor](#) on Wed, 06 May 2009 10:34:46 GMT

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Debian Lenny

Linux salex 2.6.26-2-openvz-686 #1 SMP Thu Mar 26 03:55:11 UTC 2009 i686 GNU/Linux

ii linux-image-2.6-openvz-686 2.6.26+17+lenny1

ii linux-image-2.6.26-2-openvz-686 2.6.26-15

ii vzctl 3.0.22-14

ii vzquota 3.0.11-1

May 6 13:50:27 salex kernel: [1345407.174377] -----[cut here]-----

May 6 13:50:27 salex kernel: [1345407.174384] WARNING: at kernel/futex.c:537
futex_lock_pi+0x296/0x748()

May 6 13:50:27 salex kernel: [1345407.174388] Modules linked in: nls_utf8 cifs nls_base
coretemp w83627ehf hwmon_vid

i2c_dev ipt_MASQUERADE xt_state vzethdev vznetdev simfs vzrst vzcpt tun vzdquota vzmon
vzdev xt_tcpudp xt_length ipt_ttl

xt_tcpmss xt_TCPMSS xt_multiport xt_limit xt_dscp ipt_REJECT ipv6 iptable_mangle
iptable_filter iptable_nat nf_nat

nf_conntrack_ipv4 nf_conntrack ip_tables x_tables bridge 8021q loop evdev serio_raw i2c_i801
pcspkr psmouse i2c_core

iTCO_wdt button intel_agp agpgart ext3 jbd mbcache dm_mirror dm_log dm_snapshot dm_mod
raid1 md_mod ide_cd_mod cdrom

ata_generic usbhid hid ff_memless sd_mod jmicron ahci libata scsi_mod dock ide_pci_generic
ide_core ehci_hcd uhci_hcd

usbcore e1000e thermal processor fan thermal_sys

May 6 13:50:27 salex kernel: [1345407.174600] Pid: 19045, comm: twinkle Tainted: G W
2.6.26-2-openvz-686 #1

May 6 13:50:27 salex kernel: [1345407.174608] [<c0129953>] warn_on_slowpath+0x40/0x66

May 6 13:50:27 salex kernel: [1345407.174622] [<c013eaf4>] getnstimeofday+0x37/0xbc

May 6 13:50:27 salex kernel: [1345407.174631] [<c013cf54>] ktime_get_ts+0x22/0x49

May 6 13:50:27 salex kernel: [1345407.174640] [<c014adb6>]

try_to_take_rt_mutex+0x11e/0x12a

May 6 13:50:27 salex kernel: [1345407.174650] [<c02c4acf>] rt_mutex_slowlock+0x24/0x3e6

May 6 13:50:27 salex kernel: [1345407.174660] [<c028a845>] tcp_ack+0x1739/0x18cf

May 6 13:50:27 salex kernel: [1345407.174673] [<c01735b8>] find_extend_vma+0x12/0x49

May 6 13:50:27 salex kernel: [1345407.174682] [<c0148fe1>] get_futex_key+0x6c/0x105

May 6 13:50:27 salex kernel: [1345407.174690] [<c014ac1a>] rt_mutex_timed_lock+0x30/0x39

May 6 13:50:27 salex kernel: [1345407.174699] [<c0149bed>] futex_lock_pi+0x296/0x748

May 6 13:50:27 salex kernel: [1345407.174710] [<c013cf54>] ktime_get_ts+0x22/0x49

May 6 13:50:27 salex kernel: [1345407.174718] [<c013cf88>] ktime_get+0xd/0x21

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May 6 13:50:27 salex kernel: [1345407.174726] [<c0114d5b>] apic_wait_icr_idle+0xe/0x15
May 6 13:50:27 salex kernel: [1345407.174736] [<c01140db>]
native_smp_send_resched+0x33/0x34
May 6 13:50:27 salex kernel: [1345407.174744] [<c011fb8f>] __resched_task+0x5c/0x5f
May 6 13:50:27 salex kernel: [1345407.174753] [<c011f539>] enqueue_task+0x52/0x5d
May 6 13:50:27 salex kernel: [1345407.174761] [<c0120702>] activate_task+0xa5/0xdf
May 6 13:50:27 salex kernel: [1345407.174770] [<c0126ec3>]
check_preempt_wakeup+0xa2/0xc2
May 6 13:50:27 salex kernel: [1345407.174784] [<c014a44d>] do_futex+0x3ae/0x6ff
May 6 13:50:27 salex kernel: [1345407.174791] [<c0115102>] lapic_next_event+0xc/0x10
May 6 13:50:27 salex kernel: [1345407.174795] [<c0141230>]
clockevents_program_event+0xc4/0xd2
May 6 13:50:27 salex kernel: [1345407.174804] [<c0131579>] run_timer_softirq+0x30/0x1d1
May 6 13:50:27 salex kernel: [1345407.174811] [<c014a86f>] sys_futex+0xd1/0xe6
May 6 13:50:27 salex kernel: [1345407.174818] [<c012e3e8>] irq_exit+0x84/0x9b
May 6 13:50:27 salex kernel: [1345407.174823] [<c0108972>] syscall_call+0x7/0xb
May 6 13:50:27 salex kernel: [1345407.174833] =====
May 6 13:50:27 salex kernel: [1345407.174835] ---[ end trace d23225232a0d7822 ]---

May 6 13:50:28 salex kernel: [1345408.526274] -----[ cut here ]-----
May 6 13:50:28 salex kernel: [1345408.526274] WARNING: at kernel/futex.c:537
futex_lock_pi+0x296/0x748()
May 6 13:50:28 salex kernel: [1345408.526274] Modules linked in: nls_utf8 cifs nls_base
coretemp w83627ehf
hwmon_vid i2c_dev ipt_MASQUERADE xt_state vzethdev vznetdev simfs vzrst vzcpt tun
vzdquota vzmon vzdev
xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS xt_multiport xt_limit xt_dscp ipt_REJECT ipv6
iptable_mangle
iptable_filter iptable_nat nf_nat nf_conntrack_ipv4 nf_conntrack ip_tables x_tables bridge 8021q
loop evdev
serio_raw i2c_i801 pcspkr psmouse i2c_core iTCO_wdt button intel_agp agpgart ext3 jbd
mbcache dm_mirror
dm_log dm_snapshot dm_mod raid1 md_mod ide_cd_mod cdrom ata_generic usbhid hid
ff_memless sd_mod
jmicron ahci libata scsi_mod dock ide_pci_generic ide_core ehci_hcd uhci_hcd usbcore e1000e
thermal processor fan thermal_sys
May 6 13:50:28 salex kernel: [1345408.526274] Pid: 18895, comm: twinkle Tainted: G      W
2.6.26-2-openvz-686 #1
May 6 13:50:28 salex kernel: [1345408.526274] [<c0129953>] warn_on_slowpath+0x40/0x66
May 6 13:50:28 salex kernel: [1345408.526274] [<c02c402e>] schedule+0x854/0x886
May 6 13:50:28 salex kernel: [1345408.526274] [<c014adb6>]
try_to_take_rt_mutex+0x11e/0x12a
May 6 13:50:28 salex kernel: [1345408.526274] [<c02c4e60>] rt_mutex_slowlock+0x3b5/0x3e6
May 6 13:50:28 salex kernel: [1345408.526274] [<c01735b8>] find_extend_vma+0x12/0x49
May 6 13:50:28 salex kernel: [1345408.526274] [<c0148fe1>] get_futex_key+0x6c/0x105
May 6 13:50:28 salex kernel: [1345408.526274] [<c014ac1a>] rt_mutex_timed_lock+0x30/0x39
May 6 13:50:28 salex kernel: [1345408.526274] [<c0149bed>] futex_lock_pi+0x296/0x748
May 6 13:50:28 salex kernel: [1345408.526274] [<c011f539>] enqueue_task+0x52/0x5d

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May 6 13:50:28 salex kernel: [1345408.526274] [<c0120702>] activate_task+0xa5/0xdf
May 6 13:50:28 salex kernel: [1345408.526274] [<c014a44d>] do_futex+0x3ae/0x6ff
May 6 13:50:28 salex kernel: [1345408.526274] [<c02b2838>] unix_ioctl+0x8a/0x92
May 6 13:50:28 salex kernel: [1345408.526274] [<c0255bef>] sock_ioctl+0x0/0x1ca
May 6 13:50:28 salex kernel: [1345408.526274] [<c018e8dc>] vfs_ioctl+0x1c/0x5d
May 6 13:50:28 salex kernel: [1345408.526274] [<c014a86f>] sys_futex+0xd1/0xe6
May 6 13:50:28 salex kernel: [1345408.526274] [<c018ebaa>] sys_ioctl+0x2c/0x42
May 6 13:50:28 salex kernel: [1345408.526274] [<c018ebba>] sys_ioctl+0x3c/0x42
May 6 13:50:28 salex kernel: [1345408.526274] [<c0108972>] syscall_call+0x7/0xb
May 6 13:50:28 salex kernel: [1345408.526274] =====
May 6 13:50:28 salex kernel: [1345408.526274] ---[ end trace d23225232a0d7822 ]---

May 6 13:50:28 salex kernel: [1345408.530208] -----[ cut here ]-----
May 6 13:50:28 salex kernel: [1345408.530208] WARNING: at kernel/futex.c:537
futex_lock_pi+0x296/0x748()
May 6 13:50:28 salex kernel: [1345408.530208] Modules linked in: nls_utf8 cifs nls_base
coretemp
w83627ehf hwmon_vid i2c_dev ipt_MASQUERADE xt_state vzethdev vznetdev simfs vzrst vzcpt
tun vzdquota
vzmon vzdev xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS xt_multiport xt_limit xt_dscp
ipt_REJECT
ipv6 iptable_mangle iptable_filter iptable_nat nf_nat nf_conntrack_ipv4 nf_conntrack ip_tables
x_tables bridge 8021q loop evdev serio_raw i2c_i801 pcspkr psmouse i2c_core iTCO_wdt button
intel_agp
agpgart ext3 jbd mbcache dm_mirror dm_log dm_snapshot dm_mod raid1 md_mod ide_cd_mod
cdrom ata_generic
usbhid hid ff_memless sd_mod jmicron ahci libata scsi_mod dock ide_pci_generic ide_core
ehci_hcd
uhci_hcd usbcore e1000e thermal processor fan thermal_sys
May 6 13:50:28 salex kernel: [1345408.530208] Pid: 19037, comm: twinkle Tainted: G      W
2.6.26-2-openvz-686 #1
May 6 13:50:28 salex kernel: [1345408.530208] [<c0129953>] warn_on_slowpath+0x40/0x66
May 6 13:50:28 salex kernel: [1345408.530208] [<c02c402e>] schedule+0x854/0x886
May 6 13:50:28 salex kernel: [1345408.530208] [<c02562ff>] sock_sendmsg+0xb8/0xd1
May 6 13:50:28 salex kernel: [1345408.530208] [<c02c4e60>] rt_mutex_slowlock+0x3b5/0x3e6
May 6 13:50:28 salex kernel: [1345408.530208] [<c013a2a0>]
autoremove_wake_function+0x0/0x2d
May 6 13:50:28 salex kernel: [1345408.530208] [<c01735b8>] find_extend_vma+0x12/0x49
May 6 13:50:28 salex kernel: [1345408.530208] [<c0148fe1>] get_futex_key+0x6c/0x105
May 6 13:50:28 salex kernel: [1345408.530208] [<c0149bed>] futex_lock_pi+0x296/0x748
May 6 13:50:28 salex kernel: [1345408.530208] [<c013cf54>] ktime_get_ts+0x22/0x49
May 6 13:50:28 salex kernel: [1345408.530208] [<c013cf88>] ktime_get+0xd/0x21
May 6 13:50:28 salex kernel: [1345408.530208] [<c0114d5b>] apic_wait_icr_idle+0xe/0x15
May 6 13:50:28 salex kernel: [1345408.530208] [<c0120702>] activate_task+0xa5/0xdf
May 6 13:50:28 salex kernel: [1345408.530208] [<c0126ec3>]
check_preempt_wakeup+0xa2/0xc2
May 6 13:50:28 salex kernel: [1345408.530208] [<c014a44d>] do_futex+0x3ae/0x6ff
May 6 13:50:28 salex kernel: [1345408.530208] [<c0256bd9>] sys_send+0x19/0x1d

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May 6 13:50:28 salex kernel: [1345408.530208] [<c014a86f>] sys_futex+0xd1/0xe6
May 6 13:50:28 salex kernel: [1345408.530208] [<c018f3ac>] sys_poll+0x3b/0x6e
May 6 13:50:28 salex kernel: [1345408.530208] [<c0108972>] syscall_call+0x7/0xb
May 6 13:50:28 salex kernel: [1345408.530208] =====
May 6 13:50:28 salex kernel: [1345408.530208] ---[ end trace d23225232a0d7822 ]---

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May 4 15:43:51 salex kernel: [1100718.210427] -----[ cut here ]-----
May 4 15:43:51 salex kernel: [1100718.210427] WARNING: at kernel/futex.c:537
futex_lock_pi+0x296/0x748()
May 4 15:43:51 salex kernel: [1100718.210427] Modules linked in: nls_utf8 cifs nls_base
coretemp
w83627ehf hwmon_vid i2c_dev ipt_MASQUERADE xt_state vzethdev vznetdev simfs vzrst vzcp
tun vzdquota
vzmon vzdev xt_tcpudp xt_length ipt_ttl xt_tcpmss xt_TCPMSS xt_multiport xt_limit xt_dscp
ipt_REJECT
ipv6 iptable_mangle iptable_filter iptable_nat nf_nat nf_conntrack_ipv4 nf_conntrack ip_tables
x_tables bridge 8021q loop evdev serio_raw i2c_i801 pcspkr psmouse i2c_core iTCO_wdt button
intel_agp
agpgart ext3 jbd mbcache dm_mirror dm_log dm_snapshot dm_mod raid1 md_mod ide_cd_mod
cdrom ata_generic
usbhid hid ff_memless sd_mod jmicron ahci libata scsi_mod dock ide_pci_generic ide_core
ehci_hcd
uhci_hcd usbcore e1000e thermal processor fan thermal_sys
May 4 15:43:51 salex kernel: [1100718.210427] Pid: 18615, comm: firefox-bin Tainted: G      W
2.6.26-2-openvz-686 #1
May 4 15:43:51 salex kernel: [1100718.210427] [<c0129953>] warn_on_slowpath+0x40/0x66
May 4 15:43:51 salex kernel: [1100718.210427] [<c0257952>]
sock_common_rcvmsg+0x2f/0x45
May 4 15:43:51 salex kernel: [1100718.210427] [<c025622c>] sock_rcvmsg+0xc8/0xe3
May 4 15:43:51 salex kernel: [1100718.210427] [<c02562ff>] sock_sendmsg+0xb8/0xd1
May 4 15:43:51 salex kernel: [1100718.210427] [<c013cf54>] ktime_get_ts+0x22/0x49
May 4 15:43:51 salex kernel: [1100718.210427] [<c013a2a0>]
autoremove_wake_function+0x0/0x2d
May 4 15:43:51 salex kernel: [1100718.210427] [<c01735b8>] find_extend_vma+0x12/0x49
May 4 15:43:51 salex kernel: [1100718.210427] [<c0148fe1>] get_futex_key+0x6c/0x105
May 4 15:43:51 salex kernel: [1100718.210427] [<c0149bed>] futex_lock_pi+0x296/0x748
May 4 15:43:51 salex kernel: [1100718.210427] [<c013cf54>] ktime_get_ts+0x22/0x49
May 4 15:43:51 salex kernel: [1100718.210427] [<c013cf88>] ktime_get+0xd/0x21
May 4 15:43:51 salex kernel: [1100718.210427] [<c0114d5b>] apic_wait_icr_idle+0xe/0x15
May 4 15:43:51 salex kernel: [1100718.210427] [<c011f539>] enqueue_task+0x52/0x5d
May 4 15:43:51 salex kernel: [1100718.210427] [<c0120702>] activate_task+0xa5/0xdf
May 4 15:43:51 salex kernel: [1100718.210427] [<c0126ec3>]
check_preempt_wakeup+0xa2/0xc2

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May 4 15:43:51 salex kernel: [1100718.210427] [<c014a44d>] do_futex+0x3ae/0x6ff
May 4 15:43:51 salex kernel: [1100718.210427] [<c0256bd9>] sys_send+0x19/0x1d
May 4 15:43:51 salex kernel: [1100718.210427] [<c014a86f>] sys_futex+0xd1/0xe6
May 4 15:43:51 salex kernel: [1100718.210427] [<c018f3ac>] sys_poll+0x3b/0x6e
May 4 15:43:51 salex kernel: [1100718.210427] [<c0108972>] syscall_call+0x7/0xb
May 4 15:43:51 salex kernel: [1100718.210427] =====
May 4 15:43:51 salex kernel: [1100718.210427] ---[end trace d23225232a0d7822]---

<http://bugzilla.openvz.org/attachment.cgi?id=977>

Subject: Re: WARNING: at kernel/futex.c:537 futex_lock_pi
Posted by [maratrus](#) on Wed, 06 May 2009 15:57:39 GMT
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<http://forum.openvz.org/index.php?t=msg&th=6955&star t=0&>

<http://bugzilla.openvz.org/>

Subject: Re: WARNING: at kernel/futex.c:537 futex_lock_pi
Posted by [chernomor](#) on Wed, 06 May 2009 18:59:45 GMT
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Subject: Re: WARNING: at kernel/futex.c:537 futex_lock_pi

Posted by [chernomor](#) on Wed, 06 May 2009 19:33:49 GMT

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```
static int fixup_pi_state_owner(u32 __user *uaddr, struct futex_q *q,
                               struct task_struct *newowner,
                               struct rw_semaphore *fshared)
{
    u32 newtid = task_pid_vnr(newowner) | FUTEX_WAITERS;
    struct futex_pi_state *pi_state = q->pi_state;
    struct task_struct *oldowner = pi_state->owner;
```

```
@@ -1047,7 +1047,7 @@ static void unqueue_me_pi(struct futex_q
static int fixup_pi_state_owner(u32 *uaddr, struct futex_q *q,
                               struct task_struct *newowner)
{
-    u32 newtid = newowner->pid | FUTEX_WAITERS;
+    u32 newtid = virt_pid(newowner) | FUTEX_WAITERS;
    struct futex_pi_state *pi_state = q->pi_state;
    u32 uval, curval, newval;
    int ret;
```

Subject: Re: WARNING: at kernel/futex.c:537 futex_lock_pi

Posted by [chernomor](#) on Wed, 06 May 2009 20:03:25 GMT

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