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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_reschedule+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
```

```
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 ]---
```

```
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 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 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_recvmsg+0x2f/0x45
May 4 15:43:51 salex kernel: [1100718.210427] [<c025622c>] sock_recvmsg+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
```

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 ]---

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

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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/>

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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;
```

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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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