Subject: Problems with NFS?
Posted by arpad on Mon, 26 Mar 2007 14:16:39 GMT
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Hi!

I have a VE running UNFSD and another two VE which are using the first ones as NFS servers. Today one of the VE's lost the NFS servers connection and a process stucked in the D state (I opened a topic from it because I can't shutdown that VE). After several tries I get in to the dmesg and I have to reboot the server:

nfs: server nfs not responding, still trying
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Unable to handle kernel NULL pointer dereference at 0000000000000068 RIP:
 [<ffffffff8025d438>] __ip_route_output_key+0x108/0x910
PGD 2c60a067 PUD 2b1f1067 PMD 0
Oops: 0000 [1] SMP
CPU: 1
Modules linked in: simfs vznetdev vzrst vzcpt vzdquota nfsd
exportfs it87 hwmon_vid hwmon i2c_isa ip_vs_rr ip_vs bridge llc
iptable_filter ipt_MASQUERADE iptable_nat ip_nat ip_conntrack
nfnetlink ip_tables xt_tcpudp ip6table_filter ip6_tables
x_tables vzethdev vzmon ipv6 vzdev tun crc32 i2c_nforce2
i2c_core forcedeth sg dm_snapshot e1000 nfs lockd sunrpc
dm_mirror usbhid ohci_hcd usb_storage ehci_hcd usbcore
Pid: 2960, comm: rpciod/1 Not tainted 2.6.18-028test018-syrius #1
RIP: 0060:[<ffffffff8025d438>] [<ffffffff8025d438>] __ip_route_output_key+0x108/0x910
RSP: 0068:ffff81003e76b980 EFLAGS: 00010246
RAX: 0000000000000000 RBX: 0000000000000000 RCX: 0000000000000000
RDX: 0000000000000000 RSI: 0000000000000000 RDI: 0000000000000000
RBP: ffff81003e76bab0 R08: 0000000000000000 R09: ffff81003e76b9c0
R10: ffff81002c989040 R11: 0000000000000000 R12: 0000000000000000
R13: ffff81003e76b9c0 R14: 00000000000000a0 R15: 0000000000000000
FS: 00002b0cb79f73e0(0000) GS:ffff81003ee52400(0000) knlGS:00000000b7ba56c0
CS: 0060 DS: 0068 ES: 0068 CR0: 000000008005003b
CR2: 0000000000000068 CR3: 0000000027703000 CR4: 00000000000006e0
Process rpciod/1 (pid: 2960, veid=0, threadinfo ffff81003e76a000, task ffff81003e49e000)
Stack: 0000000000000000 0000000000000000 ffff81003d104024 ffff81003e76bb18
 0000000000000000 ffffffff80412fa9 00000000000005dc 0000000000000000
 0000000000000000 0000000000000000 0000000000000000 0000000000000000
Call Trace:
 [<ffffffff80412fa9>] ip_generic_getfrag+0x49/0xa0
 [<ffffffff8040d109>] ip_route_output_flow+0x19/0x70
 [<ffffffff80256bf6>] udp_sendmsg+0x336/0x660
 [<ffffffff80259524>] sock_sendmsg+0xd4/0xf0
 [<ffffffff8029d2d0>] autoremove_wake_function+0x0/0x30

[<ffffffff8022fb73>] __wake_up+0x43/0x70
[<ffffffff88059c90>] :sunrpc:rpc_async_schedule+0x0/0x10
[<ffffffff80216488>] release_console_sem+0x58/0x70
[<ffffffff8042be80>] inet_sendpage+0x70/0xe0
[<ffffffff803ed545>] kernel_sendmsg+0x35/0x50
[<ffffffff880587d1>] :sunrpc:xs_udp_send_request+0xf1/0x2e0
[<ffffffff8805901a>] :sunrpc:rpc_sleep_on+0x3a/0x60
[<ffffffff88059c90>] :sunrpc:rpc_async_schedule+0x0/0x10
[<ffffffff88055d6b>] :sunrpc:xprt_transmit+0x12b/0x260
[<ffffffff880a3260>] :nfs:nfs3_xdr_writeargs+0x0/0xa0
[<ffffffff88053577>] :sunrpc:call_transmit+0x207/0x270
[<ffffffff88059b28>] :sunrpc:__rpc_execute+0xc8/0x230
[<ffffffff80251522>] run_workqueue+0xb2/0x110
[<ffffffff8024d560>] worker_thread+0x0/0x170
[<ffffffff8029d090>] keventd_create_kthread+0x0/0x80
[<ffffffff8024d689>] worker_thread+0x129/0x170
[<ffffffff802845b0>] default_wake_function+0x0/0x10
[<ffffffff8024d560>] worker_thread+0x0/0x170
[<ffffffff802343e9>] kthread+0xd9/0x120
[<ffffffff80262fe0>] child_rip+0xa/0x12
[<ffffffff8029d090>] keventd_create_kthread+0x0/0x80
[<ffffffff802758a0>] flat_send_IPI_mask+0x0/0x50
[<ffffffff80234310>] kthread+0x0/0x120
[<ffffffff80262fd6>] child_rip+0x0/0x12

Code: 8b 40 68 89 7c 24 4c 44 88 64 24 54 88 5c 24 55 89 44 24 44
RIP [<ffffffff8025d438>] __ip_route_output_key+0x108/0x910
RSP <ffff81003e76b980>
CR2: 0000000000000068
Unable to handle kernel NULL pointer dereference at 0000000000000020 RIP:
[<ffffffff802f2a24>] proc_flush_task+0x54/0x70
PGD 2c60a067 PUD 2b1f1067 PMD 0
Oops: 0000 [2] SMP
CPU: 1
Modules linked in: simfs vznetdev vzrst vzcpt vzdquota nfsd
exportfs it87 hwmon_vid hwmon i2c_isa ip_vs_rr ip_vs bridge llc
iptable_filter ipt_MASQUERADE iptable_nat ip_nat ip_conntrack
nfnetlink ip_tables xt_tcpudp ip6table_filter ip6_tables
x_tables vzethdev vzmon ipv6 vzdev tun crc32 i2c_nforce2
i2c_core forcedeth sg dm_snapshot e1000 nfs lockd sunrpc
dm_mirror usbhid ohci_hcd usb_storage ehci_hcd usbcore
Pid: 2960, comm: rpciod/1 Not tainted 2.6.18-028test018-syrius #1
RIP: 0060:[<ffffffff802f2a24>] [<ffffffff802f2a24>] proc_flush_task+0x54/0x70
RSP: 0068:ffff81003e76b6e0 EFLAGS: 00010287
RAX: 0000000000000000 RBX: ffff81003e49e000 RCX: 0000000000000102
RDX: 0000000000000b90 RSI: 0000000000000b90 RDI: ffff81003e49e000
RBP: ffff81003e49e000 R08: 000000000000039c R09: ffff81000688c988

R10: ffff81000688c9e8 R11: ffffffff802f1e50 R12: 0000000000000000
R13: ffff81003e49e0c8 R14: ffffffff804ae500 R15: ffff81003e49e148
FS: 00002b0cb79f73e0(0000) GS:ffff81003ee52400(0000) knlGS:00000000b7ba56c0
CS: 0060 DS: 0068 ES: 0068 CR0: 000000008005003b
CR2: 0000000000000020 CR3: 0000000027703000 CR4: 00000000000006e0
Process rpciod/1 (pid: 2960, veid=0, threadinfo ffff81003e76a000, task ffff81003e49e000)
Stack: ffffffff80216eff ffff81003e76b728 0000000000000020 ffff81003e49e000
 ffffffff80215211 0000003000000010 ffff81003e76b728 ffff81003e49e1b8
 0000000000000009 ffff81003e76b728 ffff81003e76b728 ffffffff804a9c08
Call Trace:
 [<ffffffff80216eff>] release_task+0x31f/0x370
 [<ffffffff80215211>] do_exit+0xcf1/0xda0
 [<ffffffff80370af0>] vgacon_cursor+0x0/0x1c7
 [<ffffffff80267c38>] _spin_unlock_irqrestore+0x8/0x10
 [<ffffffff8020a9ed>] do_page_fault+0x71d/0x7e0
 [<ffffffff8022d03b>] local_bh_enable+0x8b/0xb0
 [<ffffffff80231729>] dev_queue_xmit+0x259/0x280
 [<ffffffff80412683>] ip_fragment+0x363/0x830
 [<ffffffff80412d30>] ip_finish_output2+0x0/0x190
 [<ffffffff80233799>] ip_output+0x109/0x270
 [<ffffffff80262e25>] error_exit+0x0/0x84
 [<ffffffff8025d438>] __ip_route_output_key+0x108/0x910
 [<ffffffff80412fa9>] ip_generic_getfrag+0x49/0xa0
 [<ffffffff8040d109>] ip_route_output_flow+0x19/0x70
 [<ffffffff80256bf6>] udp_sendmsg+0x336/0x660
 [<ffffffff80259524>] sock_sendmsg+0xd4/0xf0
 [<ffffffff8029d2d0>] autoremove_wake_function+0x0/0x30
 [<ffffffff8022fb73>] __wake_up+0x43/0x70
 [<ffffffff88059c90>] :sunrpc:rpc_async_schedule+0x0/0x10
 [<ffffffff80216488>] release_console_sem+0x58/0x70
 [<ffffffff8042be80>] inet_sendpage+0x70/0xe0
 [<ffffffff803ed545>] kernel_sendmsg+0x35/0x50
 [<ffffffff880587d1>] :sunrpc:xs_udp_send_request+0xf1/0x2e0
 [<ffffffff8805901a>] :sunrpc:rpc_sleep_on+0x3a/0x60
 [<ffffffff88059c90>] :sunrpc:rpc_async_schedule+0x0/0x10
 [<ffffffff88055d6b>] :sunrpc:xprt_transmit+0x12b/0x260
 [<ffffffff880a3260>] :nfs:nfs3_xdr_writeargs+0x0/0xa0
 [<ffffffff88053577>] :sunrpc:call_transmit+0x207/0x270
 [<ffffffff88059b28>] :sunrpc:__rpc_execute+0xc8/0x230
 [<ffffffff80251522>] run_workqueue+0xb2/0x110
 [<ffffffff8024d560>] worker_thread+0x0/0x170
 [<ffffffff8029d090>] keventd_create_kthread+0x0/0x80
 [<ffffffff8024d689>] worker_thread+0x129/0x170
 [<ffffffff802845b0>] default_wake_function+0x0/0x10
 [<ffffffff8024d560>] worker_thread+0x0/0x170
 [<ffffffff802343e9>] kthread+0xd9/0x120
 [<ffffffff80262fe0>] child_rip+0xa/0x12
 [<ffffffff8029d090>] keventd_create_kthread+0x0/0x80

[<ffffffff802758a0>] flat_send_IPI_mask+0x0/0x50
[<ffffffff80234310>] kthread+0x0/0x120
[<ffffffff80262fd6>] child_rip+0x0/0x12

Code: 48 8b 48 20 e9 13 fd ff ff 66 66 90 5b c3 00 00 00 00 00 00
RIP [<ffffffff802f2a24>] proc_flush_task+0x54/0x70
RSP <ffff81003e76b6e0>
CR2: 0000000000000020
Fixing recursive fault but reboot is needed!

After it I had random freezes during disk I/O (thats why I decided to reboot the machine). I think from this dump there is something bad with the NFS under OpenVZ. I'm currently running 2.6.18-028test018. The host and the guests are all Gentoo Linuxes.
I deconfigured the NFS after reboot and now I'm using bind mount.
I hope it helps you.

Arpad

Subject: Re: Problems with NFS?
Posted by Vasily Tarasov on Tue, 27 Mar 2007 08:22:30 GMT
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Hello,

thank you for information, I filled the bug http://bugzilla.openvz.org/show_bug.cgi?id=513. Seems, that you use a self-compiled kernel. Can you, please, attach the .config file you used to bug report.

Thank you,
Vasily.
