
Subject: Re: [linux-cifs-client] oops in khelper
Posted by [Jeff Layton](#) on Fri, 09 Nov 2007 12:04:32 GMT
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On Fri, 09 Nov 2007 14:17:38 +0300
Vasily Averin <vvs@sw.ru> wrote:

> Hello Steve,
>
> Could you please take a look at the following oops? It looks like it
> is related to cifs:
> 1) Code line is corrupted (21 byte?!?), It looks like part of CIFS
> smb_hdr with CIFS magic:
> 00 00 50 ff 53 4d 42 32 00 00 00 00 80 41 c0 <00> 00 00 00 00 00
> FF S M B
>
> 2) This issue was reproduced several times on several nodes, but
> every time it was occurred after the following message:
>
> "CIFS VFS: Invalid size SMB length 4 pdu_length 4"
>
> Is it probably known issue for you?
>
> Thank you,
> Vasily Averin
>
> Virtuozzo/OpenVZ linux kernel Team
>
> Unable to handle kernel NULL pointer dereference at virtual address
> 00000611 printing eip:
> 02106330
> *pde = 00004001
> Oops: 0002 [#1]
> SMP
> Modules linked in: nls_iso8859_1 cifs simfs mptctl vzrst vzcpt
> ip_vzredir vzredir vzcompat vxdquota vzfs vzevdev vzevent vzlist
> vzstat ip_vznetstat af_packet 8021q bridge vznet vznetstat vzmon
> vzdev iptable_filter tun ipt_mac ipt_MASQUERADE ip_nat_irc ip_nat_ftp
> iptable_nat ip_conntrack_irc ip_conntrack_ftp ipt_LOG ipt_state
> ip_conntrack ipt_length ipt_ttl ipt_tcpmss ipt_TCPMSS iptable_mangle
> ipt_multiport ipt_limit ipt_tos ipt_REJECT ip_tables thermal
> processor fan button battery ac uhci_hcd ehci_hcd e752x_edac edac_mc
> e1000 sg CPU: 2, VCPU: 0:1
> EIP: 0060:[<02106330>] Tainted: P VLI
> EFLAGS: 00010202 (2.6.9-023stab044.4-enterprise)
> EIP is at kernel_thread+0x0/0xd0
> eax: 00000611 ebx: ca969e68 ecx: ca969e28 edx: 00000206
> esi: 08109000 edi: ca969e2c ebp: 00000206 esp: 0814bf30

```

> ds: 007b es: 007b ss: 0068
> Process khelper (pid: 14, veid=0, threadinfo=0814a000 task=08147360)
> Stack: 0213f828 0213f750 ca969e68 00000611 ca969e68 0213fe33 ca969e68
> 0814bf74 00000000 08109028 08109010 08109018 0213f800 ca969e28
> 0814a000 ffffffff ffffffff 00000001 00000000 02123680 00010000
> 00000000 e1f718c0 ffffffff Call Trace:
> [<0213f828>] __call_usermodehelper+0x28/0x70
> [<0213f750>] wait_for_helper+0x0/0xb0
> [<0213fe33>] worker_thread+0x1f3/0x280
> [<0213f800>] __call_usermodehelper+0x0/0x70
> [<02123680>] default_wake_function+0x0/0x20
> [<02123680>] default_wake_function+0x0/0x20
> [<0213fc40>] worker_thread+0x0/0x280
> [<02144d6d>] kthread+0xbd/0x100
> [<02144cb0>] kthread+0x0/0x100
> [<02106321>] kernel_thread_helper+0x5/0x14
> Code: 24 ec 64 50 02 89 44 24 04 e8 1d 64 02 00 83 c4 18 5b 5e 5f c3
> 89 f6 89 d0 52 ff d3 00 00 50 ff 53 4d 42 32 00 00 00 00 80 41 c0
> <00> 00 00 00 00 00 e5 6c 02 8b 54 24 68 85 c0 75 19 b8 00 e0 ff
>
>
> Oct 20 03:51:05 kernel: CIFS VFS: Invalid size SMB length 4
> pdu_length 4 Oct 20 03:51:05 kernel: CIFS VFS: No response for cmd
> 50 mid 17053 Oct 20 03:52:37 kernel: Unable to handle kernel NULL
> pointer dereference at virtual address 00000611
>
> Oct 26 00:50:22 s39 kernel: CIFS VFS: Invalid size SMB length 4
> pdu_length 4 Oct 26 00:50:22 s39 kernel: CIFS VFS: No response for
> cmd 50 mid 32013 Oct 26 00:50:40 s39 kernel: Unable to handle kernel
> NULL pointer dereference at virtual address 00000611
>
> Nov  5 03:50:18 s39 kernel: CIFS VFS: Invalid size SMB length 4
> pdu_length 4 Nov  5 03:50:18 s39 kernel: CIFS VFS: No response for
> cmd 50 mid 10169 Nov  5 03:50:39 s39 kernel: Unable to handle kernel
> NULL pointer dereference at virtual address 00000611
>
> _____
> linux-cifs-client mailing list
> linux-cifs-client@lists.samba.org
> https://lists.samba.org/mailman/listinfo/linux-cifs-client
>

```

Looks like the random memory corruption I was chasing around a month ago. It's a nasty bug. This patch from the cifs-2.6 git tree will probably fix it:

```

commit c18c732ec6bf372aa959ca6534cbfc32e464defd
Author: Steve French <sfrench@us.ibm.com>
Date: Wed Oct 17 18:01:11 2007 +0000

```

[CIFS] fix bad handling of EAGAIN error on kernel_recvmsg in cifs_demultiplex_thread

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Jeff Layton <jlayton@redhat.com>
