Subject: Kernel oopses on 2.6.24 + ovz005.1
Posted by Jan Kokoska on Tue, 17 Jun 2008 13:04:08 GMT

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Hi,

I'm seeing a number of these oopses in which a process that was
somewhat busy gets killed, on a 2.6.24 + ovz005.1 (custom compiled but
no other patches). See below. So far no kernel panic, but obviously
useless for a production setup.

The machine is 4-way quad-core Opteron, recent build. Do you need more
information? (lspci output attached)

Suggestions to fix this would be much appreciated. Failing to fix
this, I'd be patching Areca drivers on latest 2.6.18 OpenVZ kernel to
be able to use this box, but would really prefer to get the new
release working instead.

Regards,
Jan

Unable to handle kernel paging request at ffffffff836b79b8 RIP:
 [<ffffffff802daa8b>] sys_write+0x9b/0xf0
PGD 203067 PUD 207063 PMD 0
Oops: 0002 [1] SMP
CPU: 6
Modules linked in:
Pid: 1861, comm: udevd Not tainted 2.6.24-64bit-fryit #1 ovz005
RIP: 0010:[<ffffffff802daa8b>] [<ffffffff802daa8b>] sys_write+0x9b/0xf0
RSP: 0018:ffff81022c157f48 EFLAGS: 00010206
RAX: ffffffff836b7950 RBX: ffff81042d55f380 RCX: ffffffff80ce6540
RDX: 0000000000000006 RSI: 0000000000000002 RDI: ffff81022c0a4d90
RBP: 0000000000000005 R08: 0000000000000000 R09: 0000000000000000
R10: 0000000000000001 R11: 0000000000000071 R12: 0000000000000005
R13: 00007fffebe21a60 R14: 0000000000614b80 R15: 000000000000000b
FS: 00002b57bf628e80(0000) GS:ffff81042e9c9bc0(0000) knlGS:0000000000000000
CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
CR2: ffffffff836b79b8 CR3: 000000022c0a5000 CR4: 00000000000006e0
DR0: 0000000000000000 DR1: 0000000000000000 DR2: 0000000000000000
DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7: 0000000000000400
Process udevd (pid: 1861, veid=0, threadinfo ffff81022c156000, task
ffff81022d6c12e0)
Stack: ffff81042d55f380 0000000000000005 0000000000000241 0000000000000008
 0000000000614a10 0000000000614a40 0000000000000006 ffffffff8020be4e
 0000000000000246 0000000000000000 00002b57bf1e05a0 0000000000000000
Call Trace:
 [<ffffffff8020be4e>] system_call+0x7e/0x83

Code: 48 83 40 68 01 48 8b 81 20 0a 00 00 65 8b 14 25 24 00 00 00
RIP [<ffffffff802daa8b>] sys_write+0x9b/0xf0
 RSP <ffff81022c157f48>
CR2: ffffffff836b79b8
---[end trace b196e3e69909d5c4]---

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Jan Kokoska
System Architect
Fry-IT Limited
www.fry-it.com

00:00.0 Memory controller [0580]: nVidia Corporation CK804 Memory Controller [10de:005e] (rev a4)
00:01.0 ISA bridge [0601]: nVidia Corporation CK804 ISA Bridge [10de:0051] (rev f1)
00:01.1 SMBus [0c05]: nVidia Corporation CK804 SMBus [10de:0052] (rev a2)
00:02.0 USB Controller [0c03]: nVidia Corporation CK804 USB Controller [10de:005a] (rev a2)
00:02.1 USB Controller [0c03]: nVidia Corporation CK804 USB Controller [10de:005b] (rev a4)
00:06.0 IDE interface [0101]: nVidia Corporation CK804 IDE [10de:0053] (rev f3)
00:07.0 IDE interface [0101]: nVidia Corporation CK804 Serial ATA Controller [10de:0054] (rev f3)
00:08.0 IDE interface [0101]: nVidia Corporation CK804 Serial ATA Controller [10de:0055] (rev f3)
00:09.0 PCI bridge [0604]: nVidia Corporation CK804 PCI Bridge [10de:005c] (rev f2)
00:0a.0 Bridge [0680]: nVidia Corporation CK804 Ethernet Controller [10de:0057] (rev f3)
00:0b.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)
00:0c.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)
00:0d.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)
00:0e.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev a3)
00:18.0 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] HyperTransport Configuration [1022:1200]
00:18.1 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Address Map [1022:1201]
00:18.2 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] DRAM Controller [1022:1202]
00:18.3 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Miscellaneous Control [1022:1203]
00:18.4 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Link Control [1022:1204]
00:19.0 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] HyperTransport Configuration [1022:1200]
00:19.1 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Address Map [1022:1201]
00:19.2 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] DRAM Controller [1022:1202]
00:19.3 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Miscellaneous Control [1022:1203]
00:19.4 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64,

Sempron] Link Control [1022:1204]

00:1a.0 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] HyperTransport Configuration [1022:1200]

00:1a.1 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Address Map [1022:1201]

00:1a.2 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] DRAM Controller [1022:1202]

00:1a.3 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Miscellaneous Control [1022:1203]

00:1a.4 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Link Control [1022:1204]

00:1b.0 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] HyperTransport Configuration [1022:1200]

00:1b.1 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Address Map [1022:1201]

00:1b.2 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] DRAM Controller [1022:1202]

00:1b.3 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Miscellaneous Control [1022:1203]

00:1b.4 Host bridge [0600]: Advanced Micro Devices [AMD] Family 10h [Opteron, Athlon64, Sempron] Link Control [1022:1204]

01:06.0 Ethernet controller [0200]: Intel Corporation 82541GI Gigabit Ethernet Controller [8086:1076] (rev 05)

01:09.0 VGA compatible controller [0300]: XGI Technology Inc. (eXtreme Graphics Innovation) Volari Z7 [18ca:0020]

05:00.0 PCI bridge [0604]: Intel Corporation 80333 Segment-A PCI Express-to-PCI Express Bridge [8086:0370]

05:00.2 PCI bridge [0604]: Intel Corporation 80333 Segment-B PCI Express-to-PCI Express Bridge [8086:0372]

06:0e.0 RAID bus controller [0104]: Areca Technology Corp. ARC-1210 4-Port PCI-Express to SATA RAID Controller [17d3:1210]

80:00.0 Memory controller [0580]: nVidia Corporation CK804 Memory Controller [10de:005e] (rev a4)

80:01.0 Memory controller [0580]: nVidia Corporation CK804 Memory Controller [10de:00d3] (rev f1)

80:0a.0 Bridge [0680]: nVidia Corporation CK804 Ethernet Controller [10de:0057] (rev f3)

80:0b.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)

80:0c.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)

80:0d.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev f3)

80:0e.0 PCI bridge [0604]: nVidia Corporation CK804 PCIE Bridge [10de:005d] (rev a3)

File Attachments

1) lspci.txt, downloaded 819 times