Subject: *HARDWARE* Node crashed with Machine Check Exception error
Posted by ha77ab on Mon, 10 Jul 2006 04:35:38 GMT
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Hi,

Our openvz server crashed three times in a day with these errors. Is it something to with openvz kernel or can it be because of bad cpus (we have dual core dual amd opteron 270)?

we use: 2.6.8-022stab078.10-enterprise

Jul 9 12:19:41 vz01 kernel: CPU 0: Machine Check Exception: 0000000000000004
Jul 9 12:19:41 vz01 kernel: Bank 4: b604a00100000813 at 000000007e4f2f68
Jul 9 12:19:41 vz01 kernel: Kernel panic: CPU context corrupt

Jul 9 05:44:28 vz01 kernel: CPU 0: Machine Check Exception: 0000000000000007
Jul 9 05:44:28 vz01 kernel: Unable to handle kernel paging request at virtual address 00f00094
Jul 9 05:44:28 vz01 kernel: printing eip:
Jul 9 05:44:28 vz01 kernel: 023d7d02
Jul 9 05:44:28 vz01 kernel: *pde = 00000000
Jul 9 05:44:28 vz01 kernel: Oops: 0000 [#1]
Jul 9 05:44:28 vz01 kernel: Bank 4: b404a00000000a13 at 0000000055c8df68
Jul 9 05:44:28 vz01 kernel: Kernel panic: Unable to continue
Jul 9 05:44:28 vz01 kernel: SMP
Jul 9 05:44:28 vz01 kernel: Modules linked in: simfs vzdquota af_packet ip_nat_ftp ip_conntrack_ftp iptable_nat ipt_state ipt_length ipt_ttl ipt_tcpmss ipt_$
Jul 9 05:44:28 vz01 kernel: CPU: 3, VCPU: 101:3
Jul 9 05:44:28 vz01 kernel: EIP: 0060:[<023d7d02>] Not tainted
Jul 9 05:44:28 vz01 kernel: EFLAGS: 00010282 (2.6.8-022stab078.10-enterprise)
Jul 9 05:44:30 vz01 kernel: EIP is at skb_drop_fraglist+0x22/0x50
Jul 9 05:44:30 vz01 kernel: eax: 57c8df60 ebx: 00f00000 ecx: 57c8df60 edx: 00f00000
Jul 9 05:44:30 vz01 kernel: esi: c0c0b0c0 edi: 0000003a ebp: 09724354 esp: 875cddc8
Jul 9 05:44:30 vz01 kernel: ds: 007b es: 007b ss: 0068
Jul 9 05:44:30 vz01 kernel: Process spamd (pid: 2662, veid=101, threadinfo=875cc000 task=b7170d40)
Jul 9 05:44:31 vz01 kernel: Stack: 001b1b1f c0c0b0c0 023d7dea c0c0b0c0 c0c0b0c0 c0c0b0c0 023d7e20 c0c0b0c0
Jul 9 05:44:31 vz01 kernel: 0000003a 00000000 023d7ee1 c0c0b0c0 00000000 c0c0b0c0 0000003a 00000000
Jul 9 05:44:31 vz01 kernel: 02402e35 c0c0b0c0 00000000 875cdedc 0000003a 7690e600 c059f200 875cc000
Jul 9 05:44:31 vz01 kernel: Call Trace:
Jul 9 05:44:31 vz01 kernel: [<023d7dea>] skb_release_data+0x9a/0xc0
Jul 9 05:44:31 vz01 kernel: [<023d7e20>] kfree_skbmem+0x10/0x30
Jul 9 05:44:32 vz01 kernel: [<023d7ee1>] __kfree_skb+0xa1/0x140
Jul 9 05:44:32 vz01 kernel: [<02402e35>] tcp_recvmsg+0x715/0x890
Jul 9 05:44:32 vz01 kernel: [<023d7942>] sock_common_recvmsg+0x52/0x70

Jul 9 05:44:32 vz01 kernel: [<023d3cf0>] sock_aio_read+0x100/0x120
Jul 9 05:44:32 vz01 kernel: [<02171dc0>] do_sync_read+0x80/0xc0
Jul 9 05:44:32 vz01 kernel: [<0211bfbb>] vcpu_put+0x8b/0x110
Jul 9 05:44:32 vz01 kernel: [<0211d61e>] finish_task_switch+0x3e/0x90
Jul 9 05:44:32 vz01 kernel: [<02171e9a>] vfs_read+0x9a/0x160
Jul 9 05:44:32 vz01 kernel: [<021721d1>] sys_read+0x51/0x80
Jul 9 05:44:32 vz01 kernel: Code: 8b 82 94 00 00 00 8b 1b 48 74 0e f0 ff 8a 94 00 00 00 0f 94

Jul 9 22:35:59 vz01 kernel: CPU 2: Machine Check Exception: 0000000000000004
Jul 9 22:35:59 vz01 kernel: Bank 4: b603200100000813 at 0000000104b27ef8
Jul 9 22:35:59 vz01 kernel: Kernel panic: CPU context corrupt