Subject: openvz + 3ware RAID card
Posted by nethubonline on Tue, 19 Apr 2011 09:27:20 GMT
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Hi all,

I bought a new server as below:

Kernel: ovzkernel-2.6.18-238.5.1.el5.028stab085.3.x86_64.rpm
OS: RHEL 5.6 64bit
CPU: CORE I3-2120
Mainboard: Intel DH61WW
RAM: Kingston KVR1333D3N9/2G x 2
RAID Card: tested on both 3ware 9650SE and 3ware 8006
Firmware: FE9X 4.10.00.007
Driver: 2.26.08.007-2.6.18RH

After the server runs for several days, it crashed which similar to this post:
forum.openvz.org/index.php?t=msg&goto=29239&

I know providing netconsole would help to locate the problem, here it is, please kindly help and advise how to solve the problem:

19 Apr 2011 16:28:06 irq 169: nobody cared (try booting with the "irqpoll" option)
19 Apr 2011 16:28:06
19 Apr 2011 16:28:06 Call Trace:
19 Apr 2011 16:28:06 <IRQ> [<ffffffff800c72a4>] __report_bad_irq+0x30/0x7d
19 Apr 2011 16:28:06 [<ffffffff800c74d7>] note_interrupt+0x1e6/0x227
19 Apr 2011 16:28:06 [<ffffffff800c69e3>] __do_IRQ+0xbd/0x103
19 Apr 2011 16:28:06 [<ffffffff8006e526>] do_IRQ+0x13f/0x14d
19 Apr 2011 16:28:06 [<ffffffff80060665>] ret_from_intr+0x0/0xa
19 Apr 2011 16:28:06 <EOI> [<ffffffff8019b4ee>] acpi_safe_halt+0x25/0x36
19 Apr 2011 16:28:06 [<ffffffff8019bd3c>] acpi_processor_idle_simple+0xa8/0x2a0
19 Apr 2011 16:28:06 [<ffffffff8019bc94>] acpi_processor_idle_simple+0x0/0x2a0
19 Apr 2011 16:28:06 [<ffffffff8004b6fb>] cpu_idle+0x77/0x96
19 Apr 2011 16:28:06 [<ffffffff8042bcf2>] start_secondary+0x490/0x49f
19 Apr 2011 16:28:06
19 Apr 2011 16:28:06 handlers:
19 Apr 2011 16:28:06 [<ffffffff801f633c>] (usb_hcd_irq+0x0/0x55)
19 Apr 2011 16:28:06 [<ffffffff880b91af>] (twa_interrupt+0x0/0x605 [3w_9xxx])
19 Apr 2011 16:28:06 Disabling IRQ #169
19 Apr 2011 16:29:06 sd 0:0:0:0: WARNING: (0x06:0x002C): Command (0x2a) timed out, resetting card.
19 Apr 2011 16:29:11 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:29:52 sd 0:0:0:0: WARNING: (0x06:0x002C): Command (0x0) timed out, resetting card.

19 Apr 2011 16:30:47 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:31:15 sd 0:0:0:0: scsi: Device offlined - not ready after error recovery
19 Apr 2011 16:31:15 sd 0:0:0:0: rejecting I/O to offline device
19 Apr 2011 16:31:15 Buffer I/O error on device sda3, logical block 968909
19 Apr 2011 16:31:15 lost page write due to I/O error on sda3
19 Apr 2011 16:31:15 Aborting journal on device sda3.
19 Apr 2011 16:31:15 sd 0:0:0:0: rejecting I/O to offline device
19 Apr 2011 16:31:15 Buffer I/O error on device sda3, logical block 1625
19 Apr 2011 16:31:15 lost page write due to I/O error on sda3
19 Apr 2011 16:31:15 journal commit I/O error
19 Apr 2011 16:31:15 ext3_abort called.
19 Apr 2011 16:31:15 EXT3-fs error (device sda3): ext3_journal_start_sb: Detected aborted journal
19 Apr 2011 16:31:15 Remounting filesystem read-only
19 Apr 2011 16:32:20 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:33:44 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:35:09 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:36:33 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:37:57 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:39:22 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:40:46 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:42:11 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:43:35 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:45:00 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:46:24 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:47:41 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:48:50 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:50:00 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:51:09 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:52:19 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
19 Apr 2011 16:53:29 3w-9xxx: scsi0: WARNING: (0x06:0x0037): Character ioctl (0x108) timed

out, resetting card.

Subject: Re: openvz + 3ware RAID card
Posted by nethubonline on Thu, 21 Apr 2011 08:39:02 GMT
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Just a update that adding noapic does not help.....exact error occured.

Is there anyone help?

Subject: Re: openvz + 3ware RAID card
Posted by nethubonline on Fri, 29 Apr 2011 10:10:39 GMT
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just tested that if I run the RHEL original kernel, there is no any problem for 7 days

And confirmed that with openvz kernel, even adding "noapic all-generic-ide acpi=off pci=nommconf" does not help.

any one help or advise is appreciated

Subject: Re: openvz + 3ware RAID card
Posted by TheStig on Fri, 29 Apr 2011 15:17:53 GMT
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i can't really help u solve your problem, I can just tell u that I experienced problems with the 9650SE over two years ago with a 2.6.18 kernel and then switched to the 'unstable' 2.6.22 which works like a charm:

user@host:~$ uname -rvm
2.6.22-ovz005 #1 SMP Wed Feb 6 09:55:43 CET 2008 i686
user@host:~$ uptime
 16:57:42 up 853 days, 10:36, 2 users, load average: 0.00, 0.08, 0.09

try RHEL6 (or CentOS) which comes with a much newer kernel...

Subject: Re: openvz + 3ware RAID card
Posted by nethubonline on Mon, 09 May 2011 01:40:05 GMT
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The Stig,

Thank you very much for your help.

I tested with RHEL6 and 2.6.32-042test011.1.x86_64 since 4 May 2011, the server does not occur any problem.

Since RHEL5 is not compatible with 3ware RAID card, I think I will use this kernel for production, if any problem persists I will update this post.
