Subject: grub root mount point fails with new dell
Posted by todd on Wed, 19 Oct 2005 01:43:05 GMT
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Using a new dell 2850, PERC4 RAID, FC 4, SMP kernel (22stab038.1) and it keeps failing out on mounting the root from grub

I tried the different root=/dev/sda1 but it just wont mount it

after installed the RPM it had root=LABEL=/1 and when the normal kernel is loading it goes fine.

any thoughts?

Thanks!

Subject: Re: grub root mount point fails with new dell
Posted by dev on Wed, 19 Oct 2005 04:18:48 GMT
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Todd, please, run `lspci`, `lspci -n` and post it here...

Subject: Re: grub root mount point fails with new dell
Posted by todd on Wed, 19 Oct 2005 17:03:47 GMT
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hi dev,

[root@vp6 ~]# lspci
00:00.0 Host bridge: Intel Corporation E7520 Memory Controller Hub (rev 09)
00:02.0 PCI bridge: Intel Corporation E7525/E7520/E7320 PCI Express Port A (rev 09)
00:04.0 PCI bridge: Intel Corporation E7525/E7520 PCI Express Port B (rev 09)
00:05.0 PCI bridge: Intel Corporation E7520 PCI Express Port B1 (rev 09)
00:06.0 PCI bridge: Intel Corporation E7520 PCI Express Port C (rev 09)
00:1d.0 USB Controller: Intel Corporation 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #1 (rev 02)
00:1d.1 USB Controller: Intel Corporation 82801EB/ER (ICH5/ICH5R) USB UHCI Controller #2 (rev 02)
00:1d.2 USB Controller: Intel Corporation 82801EB/ER (ICH5/ICH5R) USB UHCI #3 (rev 02)
00:1d.7 USB Controller: Intel Corporation 82801EB/ER (ICH5/ICH5R) USB2 EHCI Controller (rev 02)
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev c2)
00:1f.0 ISA bridge: Intel Corporation 82801EB/ER (ICH5/ICH5R) LPC Interface Bridge (rev 02)
00:1f.1 IDE interface: Intel Corporation 82801EB/ER (ICH5/ICH5R) IDE Controller (rev 02)
01:00.0 PCI bridge: Intel Corporation 80332 [Dobson] I/O processor (rev 06)
01:00.2 PCI bridge: Intel Corporation 80332 [Dobson] I/O processor (rev 06)

02:0e.0 RAID bus controller: Dell PowerEdge Expandable RAID controller 4 (rev 06)
05:00.0 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge A (rev 09)
05:00.2 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge B (rev 09)
06:07.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller (rev 05)
07:08.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller (rev 05)
08:00.0 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge A (rev 09)
08:00.2 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge B (rev 09)
0b:0d.0 VGA compatible controller: ATI Technologies Inc Radeon RV100 QY [Radeon 7000/VE]

[root@vp6 ~]# lspci -n
00:00.0 Class 0600: 8086:3590 (rev 09)
00:02.0 Class 0604: 8086:3595 (rev 09)
00:04.0 Class 0604: 8086:3597 (rev 09)
00:05.0 Class 0604: 8086:3598 (rev 09)
00:06.0 Class 0604: 8086:3599 (rev 09)
00:1d.0 Class 0c03: 8086:24d2 (rev 02)
00:1d.1 Class 0c03: 8086:24d4 (rev 02)
00:1d.2 Class 0c03: 8086:24d7 (rev 02)
00:1d.7 Class 0c03: 8086:24dd (rev 02)
00:1e.0 Class 0604: 8086:244e (rev c2)
00:1f.0 Class 0601: 8086:24d0 (rev 02)
00:1f.1 Class 0101: 8086:24db (rev 02)
01:00.0 Class 0604: 8086:0330 (rev 06)
01:00.2 Class 0604: 8086:0332 (rev 06)
02:0e.0 Class 0104: 1028:0013 (rev 06)
05:00.0 Class 0604: 8086:0329 (rev 09)
05:00.2 Class 0604: 8086:032a (rev 09)
06:07.0 Class 0200: 8086:1076 (rev 05)
07:08.0 Class 0200: 8086:1076 (rev 05)
08:00.0 Class 0604: 8086:0329 (rev 09)
08:00.2 Class 0604: 8086:032a (rev 09)
0b:0d.0 Class 0300: 1002:5159

i appreciate you looking at this - thanks!

Subject: Re: grub root mount point fails with new dell
Posted by Spookyfish on Wed, 19 Oct 2005 17:53:41 GMT
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Looking at:
http://www.swsoft.com/en/products/virtuozzo/hsp/hcl/other/

Suggests that the
PowerEdge 4 Expandable RAID Controller 4e/Si/Di
with id 0x1028:0x0013 is supported in Virtuozzo and therefore probably in OpenVZ?

Are /dev/sda and /dev/sda1 reported at boot time?

Subject: Re: grub root mount point fails with new dell
Posted by todd on Wed, 19 Oct 2005 19:01:52 GMT
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yeh, /dev/sda and /dev/sda1 come up fine and I can boot into other kernels no problem

I did notice when installing the RPM that it complained about the megaraid not being a module. Researching this seemed to indicate that was just because the support was compiled in the kernel and not a module anymore - i eliminated that as a problem but maybe i should not have?

Is it likely that the OpenVZ would not have it yet though Virtuozzo lists it as supported?

It seems like it is something simple that I am missing - anybody else out there with this hardware?

Thanks!

Subject: Re: grub root mount point fails with new dell
Posted by Spookyfish on Wed, 19 Oct 2005 19:10:46 GMT
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Can you post your dmesg and copy-paste any error messages that come up during boot? This will give us more insight...

Subject: Re: grub root mount point fails with new dell
Posted by dev on Wed, 19 Oct 2005 19:11:36 GMT
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todd,
we will update megaraid driver in OVZ kernel soon and it will support your hardware.
Unfortunately it is not supported as is. SWsoft HCL mentioned by Spookyfish is for commercial virtuozzo only...
I suppose it should happen during next week.

You can do it manually yourself easily and recompile the kernel, it should not be that hard. You need to take drivers/scsi/megaraid directory from
latest mainstream kernel, modify drivers/scsi/Makefile to mention it, turn on appropriate config options and recompile.

Subject: Re: grub root mount point fails with new dell
Posted by dev on Wed, 19 Oct 2005 19:13:12 GMT
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see my message above. it is not supported as is, but we are working now to make it compatible with our commercial VZ HCL.

Subject: Re: grub root mount point fails with new dell
Posted by todd on Wed, 19 Oct 2005 20:33:31 GMT
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Hi dev,

ok, no problem, we are actually going to use the commercial product for most of our implementations but I wanted to start getting familiar with the system. Is there a place where I can download a trial of the commercial version for now?

Thanks!

Subject: Re: grub root mount point fails with new dell
Posted by dev on Thu, 20 Oct 2005 17:57:17 GMT
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fixed in 022stab044
kernel will be available tomorrow evening or in the worst case on Monday