Subject: software RAID1 support on Centos 4.1?
Posted by speedzzz on Tue, 11 Apr 2006 03:57:19 GMT
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Each time I install the Kernel on my Centos 4.1 box
with software raid1 I get the following message:

WARNING: No module mptbase found for kernel 2.6.8-022stab072.2, continuing anyway
WARNING: No module mptscsih found for kernel 2.6.8-022stab072.2, continuing anyway
WARNING: No module raid1 found for kernel 2.6.8-022stab072.2, continuing anyway

And it hangs at boot up.
Any suggestions?

Regards
GW

Subject: Re: software RAID1 support on Centos 4.1?
Posted by kir on Tue, 11 Apr 2006 04:43:43 GMT
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Would be helpful to know
(1) exact kernel version you are trying to boot
(2) output of lspci and lspci -n
(3) what kernel says when it tries to boot

Subject: Re: software RAID1 support on Centos 4.1?
Posted by speedzzz on Tue, 11 Apr 2006 05:35:46 GMT
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1) From the original message:
kernel 2.6.8-022stab072.2

3) It just hangs during initialization.
I will check again for precise hang point.

BTW works like a charm on system without RAID.
That is why I assume the installation warnings which
are all associated with IO and RAID1 is related to the
problem.
Regards

Subject: Re: software RAID1 support on Centos 4.1?
Posted by speedzzz on Tue, 11 Apr 2006 05:54:32 GMT
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As mentioned it is the Linux software based RAID and not
hardware based raid as in a controller. However below is the
lspci output:

[root@d35000 ovz]# lspci
00:00.0 Host bridge: Intel Corporation E7320 Memory Controller Hub (rev 0c)
00:02.0 PCI bridge: Intel Corporation E7525/E7520/E7320 PCI Express Port A (rev 0c)
00:03.0 PCI bridge: Intel Corporation E7525/E7520/E7320 PCI Express Port A1 (rev 0c)
00:1c.0 PCI bridge: Intel Corporation 6300ESB 64-bit PCI-X Bridge (rev 02)
00:1d.0 USB Controller: Intel Corporation 6300ESB USB Universal Host Controller (rev 02)
00:1d.1 USB Controller: Intel Corporation 6300ESB USB Universal Host Controller (rev 02)
00:1d.4 System peripheral: Intel Corporation 6300ESB Watchdog Timer (rev 02)
00:1d.5 PIC: Intel Corporation 6300ESB I/O Advanced Programmable Interrupt Controller (rev 02)
00:1d.7 USB Controller: Intel Corporation 6300ESB USB2 Enhanced Host Controller (rev 02)
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev 0a)
00:1f.0 ISA bridge: Intel Corporation 6300ESB LPC Interface Controller (rev 02)
00:1f.1 IDE interface: Intel Corporation 6300ESB PATA Storage Controller (rev 02)
00:1f.3 SMBus: Intel Corporation 6300ESB SMBus Controller (rev 02)
01:00.0 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge A (rev 09)
01:00.2 PCI bridge: Intel Corporation 6700PXH PCI Express-to-PCI Bridge B (rev 09)
03:05.0 SCSI storage controller: LSI Logic / Symbios Logic 53c1030 PCI-X Fusion-MPT Dual
Ultra320 SCSI (rev c1)
05:01.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller (rev 05)
05:02.0 Ethernet controller: Intel Corporation 82541GI/PI Gigabit Ethernet Controller (rev 05)
06:02.0 VGA compatible controller: ATI Technologies Inc Rage XL (rev 27)
[root@d35000 ovz]# lspci -n
00:00.0 Class 0600: 8086:3592 (rev 0c)
00:02.0 Class 0604: 8086:3595 (rev 0c)
00:03.0 Class 0604: 8086:3596 (rev 0c)
00:1c.0 Class 0604: 8086:25ae (rev 02)
00:1d.0 Class 0c03: 8086:25a9 (rev 02)
00:1d.1 Class 0c03: 8086:25aa (rev 02)
00:1d.4 Class 0880: 8086:25ab (rev 02)
00:1d.5 Class 0800: 8086:25ac (rev 02)
00:1d.7 Class 0c03: 8086:25ad (rev 02)
00:1e.0 Class 0604: 8086:244e (rev 0a)
00:1f.0 Class 0601: 8086:25a1 (rev 02)
00:1f.1 Class 0101: 8086:25a2 (rev 02)
00:1f.3 Class 0c05: 8086:25a4 (rev 02)
01:00.0 Class 0604: 8086:0329 (rev 09)
01:00.2 Class 0604: 8086:032a (rev 09)
03:05.0 Class 0100: 1000:0030 (rev c1)
05:01.0 Class 0200: 8086:1076 (rev 05)
05:02.0 Class 0200: 8086:1076 (rev 05)
06:02.0 Class 0300: 1002:4752 (rev 27)

Subject: Re: software RAID1 support on Centos 4.1?
Posted by vintam on Tue, 11 Apr 2006 06:07:09 GMT
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> WARNING: No module raid1 found for kernel 2.6.8-022stab072.2, continuing anyway

This should be no problem as the raid1 is build into the openvz kernel not as a module, so it cannot find the raid1 module and have this warning.

Software RAID-1 should be no problem to use as we're using exactly the same openvz kernel in our production openvz server and booting with Linux Software RAID-1 on /. However we run it under Fedora Core 4 (should be not much difference?)

Maybe you can check the config of the grub.conf?

Subject: Re: software RAID1 support on Centos 4.1?
Posted by dev on Tue, 11 Apr 2006 08:01:25 GMT
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thanks!

your SCSI controller
03:05.0 SCSI storage controller: LSI Logic / Symbios Logic 53c1030 PCI-X Fusion-MPT Dual Ultra320 SCSI (rev c1)
is supported by OpenVZ kernel, which you confirmed when said that it boots fine w/o RAID.

mptbase, mptscsih, raid1 are builtin into kernel.

So I suppose 2 possible reasons for your issue:
1. do you use CentOS4.1? not upgraded to 4.3?
2. do you use LVM?
3. check your initrd/grub settings. This is most likely problem I suppose.
4. boot messages would be helpful. Otherwise we need to guess instead of helping you ASAP

Subject: Re: software RAID1 support on Centos 4.1?
Posted by speedzzz on Tue, 11 Apr 2006 14:50:38 GMT
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1)Centos 4.1
2)NO LVM. Is that a problem?

Subject: Re: software RAID1 support on Centos 4.1?

Posted by dev on Tue, 11 Apr 2006 15:06:27 GMT
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2. LVM is a problem on CentOS4.3 only, but will be fixed in 076 kernel.

Subject: Re: software RAID1 support on Centos 4.1?
Posted by speedzzz on Tue, 11 Apr 2006 15:24:29 GMT
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Tested on another server with software raid and similar
raid1 installation warnings. The server freezes at start
of GRUB initialization, i.e.

GRUB...

And I never changed the Grub kernel boot option, so I thought
at least I would have had the option to select which kernel
to boot from the GRUB screen.

Strange.
I will try upgrading to Centos 4.3 and see if that changes
anything.

Regards

Subject: Re: software RAID1 support on Centos 4.1?
Posted by dev on Tue, 11 Apr 2006 15:31:41 GMT
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This changes a lot!

Do you have graphical boot with CentOS4?
cat you post your /etc/grub.conf here?