Subject: 3ware + Linux 2.6.26-2-openvz-amd64 kernel
Posted by jamesdean-dean-57 on Tue, 07 Sep 2010 15:00:27 GMT
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Hi,

I use a 3ware 9650SE-4LPML RAID Controller with an Linux Debian 2.6.26-2-openvz-amd64 kernel.

Sometimes my RAID break down et return this fallowing logs :

Aug 21 01:51:05 sht8 kernel: sd 4:0:0:0: WARNING: (0x06:0x002C): Command (0x2a) timed out, resetting card.
Aug 21 01:51:39 sht8 kernel: 3w-9xxx: scsi4: WARNING: (0x06:0x0037): Character ioctl (0x108) timed out, resetting card.
Aug 21 01:52:22 sht8 kernel: 3w-9xxx: scsi4: AEN: INFO (0x04:0x005E):

driver version : 2.26.08.003-2.6.18RH
firmware version : FE9X 4.10.00.007

Have you ever seen this kind of message ? Do you know if this card is ok with this kernel ?

thanks, Bertrand.

Subject: Re: 3ware + Linux 2.6.26-2-openvz-amd64 kernel
Posted by tanfwc on Thu, 09 Sep 2010 11:42:13 GMT
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Can you execute a few command for me to understand your environment?

Quote:tw_cli show
tw_cli show version
tw_cli /c0 show all (replace 0 with your controller number if different)

Subject: Re: 3ware + Linux 2.6.26-2-openvz-amd64 kernel
Posted by jamesdean-dean-57 on Thu, 09 Sep 2010 15:34:53 GMT
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thanks for your help !

tw_cli show

```
Ctl   Model        (V)Ports  Drives   Units   NotOpt  RRate   VRate  BBU
------------------------------------------------------------------------
c0    9650SE-4LPML 4        4       1       0       3       3      -


# tw_cli show version
CLI Version = 2.00.11.006
API Version = 2.08.00.006

# tw_cli /c0 show all
/c0 Driver Version = 2.26.02.010
/c0 Model = 9650SE-4LPML
/c0 Available Memory = 224MB
/c0 Firmware Version = FE9X 4.10.00.007
/c0 Bios Version = BE9X 4.08.00.002
/c0 Boot Loader Version = BL9X 3.08.00.001
/c0 Serial Number = L326010A9501855
/c0 PCB Version = Rev 035
/c0 PCHIP Version = 2.00
/c0 ACHIP Version = 1.90
/c0 Number of Ports = 4
/c0 Number of Drives = 4
/c0 Number of Units = 1
/c0 Total Optimal Units = 1
/c0 Not Optimal Units = 0
/c0 JBOD Export Policy = off
/c0 Disk Spinup Policy = 1
/c0 Spinup Stagger Time Policy (sec) = 1
/c0 Auto-Carving Policy = off
/c0 Auto-Carving Size = 2048 GB
/c0 Auto-Rebuild Policy = on
/c0 Rebuild Mode = Adaptive
/c0 Rebuild Rate = 3
/c0 Verify Mode = Adaptive
/c0 Verify Rate = 3
/c0 Controller Bus Type = PCIe
/c0 Controller Bus Width = 4 lanes
/c0 Controller Bus Speed = 2.5 Gbps/lane

Unit  UnitType  Status         %RCmpl  %V/I/M  Stripe  Size(GB)  Cache  AVrfy
------------------------------------------------------------------------------
u0    RAID-5    OK             -       -       256K    1396.95   RiW    ON

VPort Status         Unit Size      Type  Phy Encl-Slot    Model
------------------------------------------------------------------------
p0    OK             u0   465.76 GB SATA  0   -            ST3500320NS
p1    OK             u0   465.76 GB SATA  1   -            ST3500320NS
```

p2	OK	u0	465.76 GB	SATA	2	-	ST3500320NS
p3	OK	u0	465.76 GB	SATA	3	-	ST3500320NS

Subject: Re: 3ware + Linux 2.6.26-2-openvz-amd64 kernel
Posted by tanfwc on Thu, 09 Sep 2010 16:25:18 GMT
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Try turning off the cache and see whether it helps.

Quote:tw_cli /c0/u0 set cache=off