

Re: raid (atacontrol) problems

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/hackers/2003-09/0397.html>

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Date: 09/23/03

To: Igor Tseglevsky <tsypa@ipnet.ru>
Date: Tue, 23 Sep 2003 17:49:42 +0200 (CEST)

It seems Igor Tseglevsky wrote:

[Charset KOI8-R unsupported, converting...]

> *Strange problems with RAID. If disks are located on different controllers*
> *after rebooting one of disks disappears. Disks on one controller coexist in*
> *RAID normally.*

Is that Promise controller a fasttrak ie with a RAID BIOS ?

In that case you cant span controllers, that only works on generic ATA controllers (ie those without any RAID).

> *Any ideas? Please, help!*

>

>

> *cf# atacontrol status 0*

> *atacontrol: ioctl(ATARAIDSTATUS): Device not configured*

> *cf# atacontrol create mirror ad1 ad4*

> *ar0 created*

> *cf# atacontrol status 0*

> *ar0: ATA RAID1 subdisks: ad1 ad4 status: READY*

> *cf# fastboot*

>

> *cf# atacontrol status 0*

> *ar0: ATA RAID1 subdisks: ad1 DOWN status: DEGRADED*

>

> *In dmesg:*

>

> *ad0: 76319MB <ST380011A> [155061/16/63] at ata0-master UDMA66*

> *ad1: 76319MB <ST380011A> [155061/16/63] at ata0-slave UDMA66*

> *ad2: DMA limited to UDMA33, non-ATA66 cable or device*

> *ad2: 76319MB <ST380011A> [155061/16/63] at ata1-master UDMA33*

> *ad4: 76319MB <ST380011A> [155061/16/63] at ata2-master UDMA100*

> *ad6: 76319MB <ST380011A> [155061/16/63] at ata3-master UDMA100*

> *ar0: WARNING - mirror lost*

> *ar0: 76319MB <ATA RAID1 array> [9729/255/63] status: DEGRADED subdisks:*

> *disk0 READY on ad1 at ata0-slave*

> *disk1 DOWN no device found for this disk*

>

freebsd-hackers: Re: raid (atacontrol) problems

> Similarly for ad2 and ad6.
>
> Other situation with same controller:
>
> cf# atacontrol status 0
> atacontrol: ioctl(ATARAIDSTATUS): Device not configured
> cf# atacontrol create mirror ad1 ad2
> ar0 created
> cf# atacontrol status 0
> ar0: ATA RAID1 subdisks: ad1 ad2 status: READY
> cf# fastboot
>
> cf# atacontrol status 0
> ar0: ATA RAID1 subdisks: ad1 ad2 status: READY
>
> Similarly for ad4 and ad6.
>
> cf# uname -a
> FreeBSD cf 5.1-RELEASE-p5 FreeBSD 5.1-RELEASE-p5 #0: Mon Sep 22 07:46:00 GMT 2003
tsypa@cf:/usr/obj/usr/src/sys/GENERIC i386
> cf#
>
> Some dmesg about controllers:
>
> atapci0: <Promise PDC20269 UDMA133 controller> port
0xdf90-0xdf9f,0xdfe0-0xdfe3,0xdfa8-0xdfaf,0xdfe4-0xdfe7,0xdff0-0xdff7 mem 0xfeafc000-0xfeafffff irq 11
at device 8.0 on pci2
> ata2: at 0xdff0 on atapci0
> ata3: at 0xdfa8 on atapci0
>
> atapci1: <Intel ICH UDMA66 controller> port 0xffa0-0xffaf at device 31.1 on pci0
> ata0: at 0x1f0 irq 14 on atapci1
> ata1: at 0x170 irq 15 on atapci1
>
> Igor.
>
> _____
> freebsd-hackers@freebsd.org mailing list
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> To unsubscribe, send any mail to "freebsd-hackers-unsubscribe@freebsd.org"
>

-Søren

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