Subject: Re: But why is the RAM gone?!
Posted by HubertD on Thu, 07 Feb 2008 12:52:22 GMT
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All right, I'm going to use the anticipatory scheduler, just to be on the safe side.

But I don't think it could be a "normal" IO bottleneck as the server has low io-load and, after all, I'm graphing it

Here is a 24h io graph (data generated by "iostat"):
http://www.denkmair.de/ramgone/iostats/
the peaks show periodical rsync-backups of the live data on sda and sdb, the large reading phase on sdc at night is the daily offsite-backup.
Other than those, there is almost no ioload on the server, so waiting io requests could easily be handled.

Concerning the raid driver...
cat /proc/scsi/ips/0

IBM ServeRAID General Information:

```
Controller Type                 : ServeRAID 6M
Memory region                    : 0xfb000000 (4096 bytes)
Shared memory address            : 0xf8802000
IRQ number                      : 16
BIOS Version                    : 7.10.18
Firmware Version                 : 7.10.18
Boot Block Version               : 7.10.18
Driver Version                  : 7.12.05
Driver Build                    : 761
Max Physical Devices             : 30
Max Active Commands              : 64
Current Queued Commands          : 0
Current Active Commands          : 4
Current Queued PT Commands       : 0
Current Active PT Commands       : 0
```

This is the stock IBM ServeRAID driver from the kernel source, never used something else...
And with kernel 2.6.16, the machine has had an uptime of >400 days.
Also, the mentioned error messages have been there since day one and did not have any impact on stability.
They are gone now because I deactivated my raid status checks.

But, what's attracting my attention right now:
The displayed driver version differs from the firmware version.
No idea whether that is normal or could be a problem, I'm trying to find out...