
Subject: Re: But why is the RAM gone?!
Posted by [HubertD](#) on Thu, 07 Feb 2008 22:58:42 GMT
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Nothing new from the ServeRAID frontier...

I have finally found the correct CD image @ibm.com, but upgrading a productive's system raid firmware at a remote site isn't exactly what I love doing

Anyways, swapping became unacceptable this evening and I decided to reboot the server again. Here is the last dmesg listing before reboot:

SysRq: Show Memory

Mem-info:

DMA per-cpu:

cpu 0 hot: high 0, batch 1 used:0

cpu 0 cold: high 0, batch 1 used:0

cpu 1 hot: high 0, batch 1 used:0

cpu 1 cold: high 0, batch 1 used:0

DMA32 per-cpu: empty

Normal per-cpu:

cpu 0 hot: high 186, batch 31 used:137

cpu 0 cold: high 62, batch 15 used:52

cpu 1 hot: high 186, batch 31 used:14

cpu 1 cold: high 62, batch 15 used:54

HighMem per-cpu:

cpu 0 hot: high 186, batch 31 used:121

cpu 0 cold: high 62, batch 15 used:1

cpu 1 hot: high 186, batch 31 used:174

cpu 1 cold: high 62, batch 15 used:8

Free pages: 162456kB (44484kB HighMem)

Active:128331 inactive:791857 dirty:432 writeback:0 unstable:0 free:40676 slab:22831

mapped:10642 pagetables:1703

DMA free:7380kB min:68kB low:84kB high:100kB active:872kB inactive:716kB present:16384kB

pages_scanned:2455 all_unreclaimable? yes

lowmem_reserve[]: 0 0 880 4080

DMA32 free:0kB min:0kB low:0kB high:0kB active:0kB inactive:0kB present:0kB

pages_scanned:0 all_unreclaimable? no

lowmem_reserve[]: 0 0 880 4080

Normal free:110592kB min:3756kB low:4692kB high:5632kB active:50892kB inactive:607868kB

present:901120kB pages_scanned:0 all_unreclaimable? no

lowmem_reserve[]: 0 0 0 25600

HighMem free:31092kB min:512kB low:3928kB high:7344kB active:461588kB

inactive:2572840kB present:3276800kB pages_scanned:0 all_unreclaimable? no

lowmem_reserve[]: 0 0 0 0

DMA: 473*4kB 168*8kB 27*16kB 4*32kB 0*64kB 0*128kB 0*256kB 1*512kB 1*1024kB 1*2048kB
0*4096kB = 7380kB

DMA32: empty

Normal: 14858*4kB 5513*8kB 217*16kB 8*32kB 0*64kB 0*128kB 1*256kB 0*512kB 1*1024kB
 1*2048kB 0*4096kB = 110592kB
 HighMem: 6394*4kB 1666*8kB 73*16kB 0*32kB 0*64kB 1*128kB 1*256kB 0*512kB 0*1024kB
 0*2048kB 0*4096kB = 40456kB
 Swap cache: add 990247, delete 951427, find 3782192/3895280, race 0+816+43
 Free swap = 1286308kB
 Total swap = 1951856kB
 Free swap: 1286308kB
 1048576 pages of RAM
 819200 pages of HIGHMEM
 60052 reserved pages
 148694 pages shared
 38820 pages swap cached
 432 pages dirty
 0 pages writeback
 10642 pages mapped
 22831 pages slab
 1703 pages pagetables
 Top 10 caches:
 buffer_head : size 45916160 objsize 52
 size-4096(UBC) : size 2550080 objsize 4096
 ext3_inode_cache : size 5619712 objsize 524
 radix_tree_node : size 2785280 objsize 276
 dentry_cache : size 4091904 objsize 144
 filp : size 2088960 objsize 192
 journal_head : size 1503232 objsize 52
 vm_area_struct : size 3096576 objsize 84
 size-2048 : size 1776320 objsize 2048
 page_beancounter : size 10285056 objsize 32

And, just for the file, this is how /proc/meminfo looks after a reboot:

```

MemTotal: 3954096 kB
MemFree: 2531152 kB
Buffers: 74564 kB
Cached: 682844 kB
SwapCached: 0 kB
Active: 977500 kB
Inactive: 368632 kB
HighTotal: 3080044 kB
HighFree: 1795336 kB
LowTotal: 874052 kB
LowFree: 735816 kB
SwapTotal: 1951856 kB
SwapFree: 1951856 kB
Dirty: 2756 kB
Writeback: 0 kB
  
```

AnonPages: 581440 kB
Mapped: 126476 kB
Slab: 59988 kB
PageTables: 5708 kB
NFS_Unstable: 0 kB
Bounce: 0 kB
CommitLimit: 3928904 kB
Committed_AS: 2177148 kB
VmallocTotal: 114680 kB
VmallocUsed: 6944 kB
VmallocChunk: 107388 kB

Thanks for all your time,

Hubert
