Subject: OOM didn't save the machine
Posted by lazy on Sun, 29 Mar 2009 17:33:53 GMT
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64 bit rhel5 60.2, 2 32 bit VE's 8GB of ram without swap

what is filp cache ?

Am i right that it was 4,9GB big ?

Mar 29 15:49:11 hd1 kernel: filp : size 4979023872 objsize 256

it looked like some memory leak (for 6 hours memory usage was raising) 2 VE's have total 6GB privvmpages + 4,9GB for flip cache makes it possible.

Mar 29 15:49:11 hd1 kernel: apache2 invoked oom-killer: gfp_mask=0x201d2, order=0, oomkilladj=0
Mar 29 15:49:11 hd1 kernel:
Mar 29 15:49:11 hd1 kernel: Call Trace:
Mar 29 15:49:11 hd1 kernel: [<ffffffff800b5373>] out_of_memory+0x9a/0x16a
Mar 29 15:49:11 hd1 kernel: [<ffffffff8000f00d>] __alloc_pages+0x236/0x323
Mar 29 15:49:11 hd1 kernel: [<ffffffff80012535>] __do_page_cache_readahead+0xcd/0x24d
Mar 29 15:49:11 hd1 kernel: [<ffffffff8003086a>] release_sock+0x13/0xaa
Mar 29 15:49:11 hd1 kernel: [<ffffffff8001ce4d>] tcp_recvmsg+0x803/0x916
Mar 29 15:49:11 hd1 kernel: [<ffffffff80012fac>] filemap_nopage+0x147/0x313
Mar 29 15:49:11 hd1 kernel: [<ffffffff80007ff2>] __handle_mm_fault+0x26d/0xe76
Mar 29 15:49:11 hd1 kernel: [<ffffffff8000c801>] do_sync_read+0xc7/0x104
Mar 29 15:49:11 hd1 kernel: [<ffffffff8000a849>] do_page_fault+0x3aa/0x6e3
Mar 29 15:49:11 hd1 kernel: [<ffffffff8003086a>] release_sock+0x13/0xaa
Mar 29 15:49:11 hd1 kernel: [<ffffffff8000b1b0>] vfs_read+0x11b/0x150
Mar 29 15:49:11 hd1 kernel: [<ffffffff8005fe39>] error_exit+0x0/0x84
Mar 29 15:49:11 hd1 kernel:
Mar 29 15:49:11 hd1 kernel: Mem-info:
Mar 29 15:49:11 hd1 kernel: DMA per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 3 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: DMA32 per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 186, batch 31 used:182

Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 62, batch 15 used:56
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 186, batch 31 used:158
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 62, batch 15 used:23
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 186, batch 31 used:154
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 62, batch 15 used:2
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 186, batch 31 used:178
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 186, batch 31 used:183
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 62, batch 15 used:14
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 186, batch 31 used:172
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 62, batch 15 used:5
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 186, batch 31 used:172
Mar 29 15:49:11 hd1 kernel: cpu 3 cold: high 62, batch 15 used:14
Mar 29 15:49:11 hd1 kernel: HighMem per-cpu: empty
Mar 29 15:49:11 hd1 kernel: Free pages: 42888kB (0kB HighMem)
Mar 29 15:49:11 hd1 kernel: Active:636733 inactive:1008 dirty:0 writeback:59 unstable:0
free:10722 slab:1341299 mapped-file:27 mapped-anon:637545 pagetables
:8471
Mar 29 15:49:11 hd1 kernel: DMA free:12304kB min:16kB low:20kB high:24kB active:0kB
inactive:0kB present:11868kB pages_scanned:0 all_unreclaimable? yes
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 3246 8034 8034
Mar 29 15:49:11 hd1 kernel: DMA32 free:23768kB min:4632kB low:5788kB high:6948kB
active:1100012kB inactive:336kB present:3324872kB pages_scanned:2028965 all
_unreclaimable? yes
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 4788 4788
Mar 29 15:49:11 hd1 kernel: Normal free:6816kB min:6828kB low:8532kB high:10240kB
active:1446920kB inactive:3696kB present:4902912kB pages_scanned:6614355 a
ll_unreclaimable? yes
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 0 0
Mar 29 15:49:11 hd1 kernel: HighMem free:0kB min:128kB low:128kB high:128kB active:0kB
inactive:0kB present:0kB pages_scanned:0 all_unreclaimable? no
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 0 0
Mar 29 15:49:11 hd1 kernel: DMA: 2*4kB 5*8kB 4*16kB 3*32kB 3*64kB 3*128kB 1*256kB
0*512kB 1*1024kB 1*2048kB 2*4096kB = 12304kB
Mar 29 15:49:11 hd1 kernel: DMA32: 8*4kB 13*8kB 5*16kB 0*32kB 0*64kB 0*128kB 0*256kB
0*512kB 1*1024kB 1*2048kB 5*4096kB = 23768kB
Mar 29 15:49:11 hd1 kernel: Normal: 120*4kB 4*8kB 0*16kB 1*32kB 32*64kB 3*128kB 1*256kB
1*512kB 1*1024kB 1*2048kB 0*4096kB = 6816kB
Mar 29 15:49:11 hd1 kernel: HighMem: empty
Mar 29 15:49:11 hd1 kernel: 1208 pagecache pages
Mar 29 15:49:11 hd1 kernel: Swap cache: add 0, delete 0, find 0/0, race 0+0+0
Mar 29 15:49:11 hd1 kernel: Free swap = 0kB
Mar 29 15:49:11 hd1 kernel: Total swap = 0kB
Mar 29 15:49:11 hd1 kernel: Free swap: 0kB
Mar 29 15:49:11 hd1 kernel: 2293760 pages of RAM
Mar 29 15:49:11 hd1 kernel: 253465 reserved pages
Mar 29 15:49:11 hd1 kernel: 173691 pages shared
Mar 29 15:49:11 hd1 kernel: 0 pages swap cached
Mar 29 15:49:11 hd1 kernel: Top 10 caches:

Mar 29 15:49:11 hd1 kernel: ip_conntrack : size 4235264 objsize 312
Mar 29 15:49:11 hd1 kernel: dentry_cache : size 335552512 objsize 240
Mar 29 15:49:11 hd1 kernel: size-2048(UBC) : size 7345536 objsize 2048
Mar 29 15:49:11 hd1 kernel: files_cache : size 10207232 objsize 768
Mar 29 15:49:11 hd1 kernel: size-128 : size 8962048 objsize 128
Mar 29 15:49:11 hd1 kernel: ext3_inode_cache : size 18158976 objsize 808
Mar 29 15:49:11 hd1 kernel: vm_area_struct : size 7004160 objsize 168
Mar 29 15:49:11 hd1 kernel: filp : size 4979023872 objsize 256
Mar 29 15:49:11 hd1 kernel: task_struct : size 43917312 objsize 2160
Mar 29 15:49:11 hd1 kernel: page_beancounter : size 53186560 objsize 64
Mar 29 15:49:11 hd1 kernel: Mem-info:
Mar 29 15:49:11 hd1 kernel: DMA per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: cpu 3 cold: high 0, batch 1 used:0
Mar 29 15:49:11 hd1 kernel: DMA32 per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 186, batch 31 used:182
Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 62, batch 15 used:56
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 186, batch 31 used:158
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 62, batch 15 used:23
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 186, batch 31 used:154
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 62, batch 15 used:2
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 186, batch 31 used:178
Mar 29 15:49:11 hd1 kernel: cpu 3 cold: high 62, batch 15 used:49
Mar 29 15:49:11 hd1 kernel: Normal per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 186, batch 31 used:159
Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 62, batch 15 used:24
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 186, batch 31 used:183
Mar 29 15:49:11 hd1 kernel: Normal per-cpu:
Mar 29 15:49:11 hd1 kernel: cpu 0 hot: high 186, batch 31 used:159
Mar 29 15:49:11 hd1 kernel: cpu 0 cold: high 62, batch 15 used:24
Mar 29 15:49:11 hd1 kernel: cpu 1 hot: high 186, batch 31 used:183
Mar 29 15:49:11 hd1 kernel: cpu 1 cold: high 62, batch 15 used:14
Mar 29 15:49:11 hd1 kernel: cpu 2 hot: high 186, batch 31 used:172
Mar 29 15:49:11 hd1 kernel: cpu 2 cold: high 62, batch 15 used:59
Mar 29 15:49:11 hd1 kernel: cpu 3 hot: high 186, batch 31 used:172
Mar 29 15:49:11 hd1 kernel: cpu 3 cold: high 62, batch 15 used:14
Mar 29 15:49:11 hd1 kernel: HighMem per-cpu: empty
Mar 29 15:49:11 hd1 kernel: Free pages: 43852kB (0kB HighMem)
Mar 29 15:49:11 hd1 kernel: Active:637098 inactive:750 dirty:0 writeback:59 unstable:0
free:10963 slab:1341299 mapped-file:27 mapped-anon:637545 pagetables:
8471
Mar 29 15:49:11 hd1 kernel: DMA free:12304kB min:16kB low:20kB high:24kB active:0kB

inactive:0kB present:11868kB pages_scanned:0 all_unreclaimable? yes
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 3246 8034 8034
Mar 29 15:49:11 hd1 kernel: DMA32 free:23768kB min:4632kB low:5788kB high:6948kB active:1101240kB inactive:496kB present:3324872kB pages_scanned:2590683 all_unreclaimable? yes
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 4788 4788
Mar 29 15:49:11 hd1 kernel: Normal free:7780kB min:6828kB low:8532kB high:10240kB active:1447152kB inactive:2504kB present:4902912kB pages_scanned:15392 all_unreclaimable? no
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 0 0
Mar 29 15:49:11 hd1 kernel: HighMem free:0kB min:128kB low:128kB high:128kB active:0kB inactive:0kB present:0kB pages_scanned:0 all_unreclaimable? no
Mar 29 15:49:11 hd1 kernel: lowmem_reserve[]: 0 0 0 0
Mar 29 15:49:11 hd1 kernel: DMA: 2*4kB 5*8kB 4*16kB 3*32kB 3*64kB 3*128kB 1*256kB 0*512kB 1*1024kB 1*2048kB 2*4096kB = 12304kB
Mar 29 15:49:11 hd1 kernel: DMA32: 8*4kB 13*8kB 5*16kB 0*32kB 0*64kB 0*128kB 0*256kB 0*512kB 1*1024kB 1*2048kB 5*4096kB = 23768kB
Mar 29 15:49:11 hd1 kernel: Normal: 361*4kB 4*8kB 0*16kB 1*32kB 32*64kB 3*128kB 1*256kB 1*512kB 1*1024kB 1*2048kB 0*4096kB = 7780kB
Mar 29 15:49:11 hd1 kernel: HighMem: empty
Mar 29 15:49:11 hd1 kernel: 952 pagecache pages
Mar 29 15:49:11 hd1 kernel: Swap cache: add 0, delete 0, find 0/0, race 0+0+0
Mar 29 15:49:11 hd1 kernel: Free swap = 0kB
Mar 29 15:49:11 hd1 kernel: Total swap = 0kB