
Subject: Migration Fails with vzmigrate: vzmdest invoked oom-killer [ovz7]

Posted by [andre](#) on Tue, 17 Sep 2019 04:23:52 GMT

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When migrating VEs using vzmigrate, we have seen this behaviour twice today with different servers (different source and destination) and different hardware.

The destination server runs out of memory until vmdest gets killed. It happens even without having any VEs on the destination and only the one being migrated on the source.

Command: vzmigrate -r no -v --ssh='-p 2222' DESTIP 102

3.10.0-957.12.2.vz7.96.21

ploop-7.0.157-1.vz7.x86_64

ploop-lib-7.0.157-1.vz7.x86_64

Sep 16 22:15:03 srv systemd: Removed slice User Slice of vmanager.

Sep 16 22:15:44 srv kernel: vzmdest invoked oom-killer: gfp_mask=0x201da, order=0, oom_score_adj=0

Sep 16 22:15:44 srv kernel: vzmdest cpuset=/ mems_allowed=0

Sep 16 22:15:44 srv kernel: CPU: 4 PID: 77510 Comm: vzmdest ve: 0 Not tainted

3.10.0-957.12.2.vz7.96.21 #1 96.21

Sep 16 22:15:44 srv kernel: Hardware name: Supermicro X9SCL/X9SCM/X9SCL/X9SCM, BIOS 4.6.4 06/30/2011

Sep 16 22:15:44 srv kernel: Call Trace:

Sep 16 22:15:44 srv kernel: [<ffffffff92b94677>] dump_stack+0x19/0x1b

Sep 16 22:15:44 srv kernel: [<ffffffff92b8ef52>] dump_header+0x90/0x229

Sep 16 22:15:44 srv kernel: [<ffffffff92569d7f>] ? delayacct_end+0x8f/0xb0

Sep 16 22:15:44 srv kernel: [<ffffffff925cdcf8>] oom_kill_process+0x5e8/0x640

Sep 16 22:15:44 srv kernel: [<ffffffff925f82ce>] ? get_task_oom_score_adj+0xee/0x100

Sep 16 22:15:44 srv kernel: [<ffffffff925ce141>] out_of_memory+0x391/0x4e0

Sep 16 22:15:44 srv kernel: [<ffffffff92b8fa6e>] __alloc_pages_slowpath+0x5de/0x78c

Sep 16 22:15:44 srv kernel: [<ffffffff925d4a42>] __alloc_pages_nodemask+0x5d2/0x600

Sep 16 22:15:44 srv kernel: [<ffffffff92569ea4>] ? __delayacct_blkio_end+0x34/0x60

Sep 16 22:15:44 srv kernel: [<ffffffff92627278>] alloc_pages_current+0x98/0x110

Sep 16 22:15:44 srv kernel: [<ffffffff925c8f87>] __page_cache_alloc+0x97/0xb0

Sep 16 22:15:44 srv kernel: [<ffffffff925cbb70>] filemap_fault+0x200/0x4b0

Sep 16 22:15:44 srv kernel: [<ffffffffffc0369d56>] ext4_filemap_fault+0x36/0x50 [ext4]

Sep 16 22:15:44 srv kernel: [<ffffffff925fcf1d>] __do_fault.isra.62+0x9d/0x170

Sep 16 22:15:44 srv kernel: [<ffffffff926020d5>] handle_pte_fault+0x3c5/0xce0

Sep 16 22:15:44 srv kernel: [<ffffffff92604b47>] handle_mm_fault+0x397/0x9a0

Sep 16 22:15:44 srv kernel: [<ffffffff92ba26e3>] __do_page_fault+0x203/0x4f0

Sep 16 22:15:44 srv kernel: [<ffffffff92ba2a05>] do_page_fault+0x35/0x90

Sep 16 22:15:44 srv kernel: [<ffffffff92b9eab6>] ? error_swapgs+0xa7/0xbd

Sep 16 22:15:44 srv kernel: [<ffffffff92b9e768>] page_fault+0x28/0x30

Sep 16 22:15:44 srv kernel: Mem-Info:

Sep 16 22:15:44 srv kernel: active_anon:3444028 inactive_anon:439407 isolated_anon:0#012
active_file:1212 inactive_file:1193 isolated_file:0#012 unevictable:0 dirty:170 writeback:22

wbtmpt:0 unstable:0#012 slab_reclaimable:22642 slab_unreclaimable:6879#012 mapped:3576
 shmem:2342 pagetables:14890 bounce:0#012 free:98117 free_pcp:229 free_cma:0
 Sep 16 22:15:44 srv kernel: Node 0 DMA free:15888kB min:316kB low:392kB high:468kB
 active_anon:0kB inactive_anon:0kB active_file:0kB inactive_file:0kB unevictable:0kB
 isolated(anon):0kB isolated(file):0kB present:15972kB managed:15888kB mlocked:0kB dirty:0kB
 writeback:0kB mapped:0kB shmem:0kB slab_reclaimable:0kB slab_unreclaimable:0kB
 kernel_stack:0kB pagetables:0kB unstable:0kB bounce:0kB free_pcp:0kB local_pcp:0kB
 free_cma:0kB writeback_tmp:0kB pages_scanned:0 all_unreclaimable? yes
 Sep 16 22:15:44 srv kernel: lowmem_reserve[]: 0 2821 15856 15856
 Sep 16 22:15:44 srv kernel: Node 0 DMA32 free:109716kB min:57784kB low:72228kB
 high:86672kB active_anon:2189164kB inactive_anon:547540kB active_file:1124kB
 inactive_file:1080kB unevictable:0kB isolated(anon):0kB isolated(file):0kB present:3119688kB
 managed:2889256kB mlocked:0kB dirty:292kB writeback:24kB mapped:2672kB shmem:3516kB
 slab_reclaimable:10004kB slab_unreclaimable:2368kB kernel_stack:576kB pagetables:10120kB
 unstable:0kB bounce:0kB free_pcp:236kB local_pcp:120kB free_cma:0kB writeback_tmp:0kB
 pages_scanned:17233 all_unreclaimable? yes
 Sep 16 22:15:44 srv kernel: lowmem_reserve[]: 0 0 13034 13034
 Sep 16 22:15:44 srv kernel: Node 0 Normal free:266864kB min:266952kB low:333688kB
 high:400424kB active_anon:11586948kB inactive_anon:1210088kB active_file:3724kB
 inactive_file:3692kB unevictable:0kB isolated(anon):0kB isolated(file):0kB present:13631488kB
 managed:13350452kB mlocked:0kB dirty:388kB writeback:64kB mapped:11632kB
 shmem:5852kB slab_reclaimable:80564kB slab_unreclaimable:25148kB kernel_stack:3920kB
 pagetables:49440kB unstable:0kB bounce:0kB free_pcp:680kB local_pcp:240kB free_cma:0kB
 writeback_tmp:0kB pages_scanned:11140 all_unreclaimable? yes
 Sep 16 22:15:44 srv kernel: lowmem_reserve[]: 0 0 0 0
 Sep 16 22:15:44 srv kernel: Node 0 DMA: 0*4kB 0*8kB 1*16kB (U) 0*32kB 2*64kB (U) 1*128kB
 (U) 1*256kB (U) 0*512kB 1*1024kB (U) 1*2048kB (M) 3*4096kB (M) = 15888kB
 Sep 16 22:15:44 srv kernel: Node 0 DMA32: 506*4kB (UEM) 200*8kB (UE) 147*16kB (UEM)
 145*32kB (UE) 56*64kB (UEM) 57*128kB (UEM) 58*256kB (UEM) 34*512kB (UEM) 7*1024kB
 (UEM) 10*2048kB (EM) 7*4096kB (UEM) = 110072kB
 Sep 16 22:15:44 srv kernel: Node 0 Normal: 1754*4kB (UE) 700*8kB (UE) 655*16kB (UEM)
 824*32kB (UEM) 675*64kB (UEM) 361*128kB (UEM) 178*256kB (UE) 123*512kB (UEM)
 19*1024kB (UM) 0*2048kB 0*4096kB = 266872kB
 Sep 16 22:15:44 srv kernel: Node 0 hugepages_total=0 hugepages_free=0 hugepages_surp=0
 hugepages_size=2048kB
 Sep 16 22:15:44 srv kernel: 4916 total pagecache pages
 Sep 16 22:15:44 srv kernel: 227 pages in swap cache
 Sep 16 22:15:44 srv kernel: Swap cache stats: add 9598431, delete 9597921, find
 3758613/4237238
 Sep 16 22:15:44 srv kernel: Free swap = 0kB
 Sep 16 22:15:44 srv kernel: Total swap = 8191992kB
 Sep 16 22:15:44 srv kernel: 4191787 pages RAM
 Sep 16 22:15:44 srv kernel: 0 pages HighMem/MovableOnly
 Sep 16 22:15:44 srv kernel: 127888 pages reserved
 Sep 16 22:15:44 srv kernel: Out of memory: Kill process 77510 (vzmdest) score 936 or sacrifice
 child
 Sep 16 22:15:44 srv kernel: Killed process 77535 (p.haul-service) in VE "0" total-vm:387416kB,
 anon-rss:1008kB, file-rss:268kB, shmem-rss:0kB

Sep 16 22:15:50 srv kernel: vzmdest invoked oom-killer: gfp_mask=0x200da, order=0, oom_score_adj=0
Sep 16 22:15:50 srv kernel: vzmdest cpuset=/ mems_allowed=0
Sep 16 22:15:50 srv kernel: CPU: 3 PID: 77510 Comm: vzmdest ve: 0 Not tainted 3.10.0-957.12.2.vz7.96.21 #1 96.21
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Sep 16 22:15:50 srv kernel: [<ffffffff92569d7f>] ? delayacct_end+0x8f/0xb0
...
