Subject: Centos6 and OpenVZ memory problems
Posted by rshosting on Wed, 14 Sep 2011 13:01:07 GMT
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Hello,

First of all I would like to introduce myself here.. This is Sam here and have been in web hosting business since quite a long time now..

We have been using Openvz with SolusVM control panel to offer vitual servers to our clients. Our previous servers have Centos 5 and Openvz which runs like a charm.

Recently we had our new node ordered and I thought i better go with Centos 6. I had Openvz installed along with SolusVM on the server.

However, we have noticed, Openvz is not going along that well with Centos6, and is overusing the memory on the server. The node as a result gets rebooted frequently after every couple of days.

We suspected if it was the physical memory issue on the node, however it is good and not the main problem.

Existing Node details :
Server : Dell Quad Core Xeon E5620 2.40GHz
Physical RAM : 16 GB DDR3
SWAP : 16 GB
Drives : 4 x 1TB in RAID 10
OS : Centos 6 (64 bit)
Openvz Kernel : 2.6.32-042stab036.1

Listed below are few memory related mesages from dmesg :
Quote:
[92477.082356] Node 0 Normal scan:32 a_anon:34553 i_anon:1953 a_file:0 i_file:35 unevictable:0
[92477.082366] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[92477.082376] Node 1 DMA32 scan:0 a_anon:1527 i_anon:286 a_file:0 i_file:1 unevictable:0
[92477.082386] Node 1 Normal scan:32 a_anon:41958 i_anon:2419 a_file:1 i_file:4 unevictable:0
[92477.082397] Total 82737 anon:82696 file:41 a_anon:78038 i_anon:4658 a_file:1 i_file:40 unevictable:0
[92477.082409] UB: 183 RAM: 88891 / 98304 [193] SWAP: 21808 / 32768 [193] KMEM: 24547328 / 201326592 [0] Dirty 0
[92486.775157] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[92486.775164] php cpuset=183 mems_allowed=0-1
[92486.775167] UB-183-Mem-Info:
[92486.775172] Node 0 Normal scan:1181 a_anon:40111 i_anon:4771 a_file:0 i_file:4 unevictable:0
[92486.775177] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[92486.775181] Node 1 DMA32 scan:1536 a_anon:557 i_anon:253 a_file:0 i_file:2 unevictable:0
[92486.775186] Node 1 Normal scan:1473 a_anon:42414 i_anon:4538 a_file:1 i_file:4

unevictable:0
[92486.775192] Total 92657 anon:92644 file:13 a_anon:83082 i_anon:9562 a_file:1 i_file:12 unevictable:0
[92486.775197] UB: 183 RAM: 98291 / 98304 [194] SWAP: 32793 / 32768 [194] KMEM: 22822912 / 201326592 [0] Dirty 0
[92486.775202] Out of memory in UB: kill process 364821 (mysqld) or a child
[92486.775490] Killed process 364821 (mysqld) vsz:272224kB, anon-rss:22536kB, file-rss:420kB
[92486.908373] OOM killed process mysqld (pid=364821, ve=183) exited, free=263440.
[92486.908543] UB-183-Mem-Info:
[92486.908549] Node 0 Normal scan:89444 a_anon:36719 i_anon:4781 a_file:1 i_file:127 unevictable:0
[92486.908556] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[92486.908563] Node 1 DMA32 scan:46915 a_anon:555 i_anon:261 a_file:0 i_file:0 unevictable:0
[92486.908570] Node 1 Normal scan:9272 a_anon:40212 i_anon:4538 a_file:0 i_file:5 unevictable:0
[92486.908579] Total 87199 anon:87066 file:133 a_anon:77486 i_anon:9580 a_file:1 i_file:132 unevictable:0
[92486.908587] UB: 183 RAM: 92852 / 98304 [208] SWAP: 32276 / 32768 [208] KMEM: 22646784 / 201326592 [0] Dirty 0
[92487.368083] mysqld invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[92487.368090] mysqld cpuset=183 mems_allowed=0-1
[92487.368093] Out of memory in UB: kill process 364329 (php) or a child
[92487.368173] Killed process 364329 (php) vsz:128812kB, anon-rss:28076kB, file-rss:788kB
[92487.373705] OOM killed process php (pid=364329, ve=183) exited, free=274441.
[92487.793675] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[92487.793682] php cpuset=183 mems_allowed=0-1
[92487.793685] Out of memory in UB: kill process 364914 (mysqld) or a child
[92487.793925] Killed process 364914 (mysqld) vsz:271892kB, anon-rss:13736kB, file-rss:432kB
[92487.795747] OOM killed process mysqld (pid=364914, ve=183) exited, free=270716.
[92487.924192] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[92487.924197] php cpuset=183 mems_allowed=0-1
[92487.924200] Out of memory in UB: kill process 364684 (php) or a child
[92487.924279] Killed process 364684 (php) vsz:130040kB, anon-rss:36088kB, file-rss:1056kB
[92487.933825] OOM killed process php (pid=364684, ve=183) exited, free=274379.
[94157.964842] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[94157.964847] php cpuset=188 mems_allowed=0-1
[94157.964850] UB-188-Mem-Info:
[94157.964853] Node 0 Normal scan:242 a_anon:56065 i_anon:7924 a_file:0 i_file:0 unevictable:0
[94157.964858] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[94157.964862] Node 1 DMA32 scan:0 a_anon:2847 i_anon:806 a_file:0 i_file:0 unevictable:0
[94157.964866] Node 1 Normal scan:30 a_anon:20771 i_anon:3489 a_file:9 i_file:11 unevictable:0
[94157.964871] Total 91922 anon:91902 file:20 a_anon:79683 i_anon:12219 a_file:9 i_file:11 unevictable:0
[94157.964876] UB: 188 RAM: 98145 / 98304 [12] SWAP: 32816 / 32768 [12] KMEM: 21098496 / 201326592 [0] Dirty 0
[94157.964880] Out of memory in UB: kill process 421327 (php) or a child

[94157.965144] Killed process 421327 (php) vsz:137724kB, anon-rss:37968kB, file-rss:376kB
[94157.971771] OOM killed process php (pid=421327, ve=188) exited, free=326718.
[94157.971776] UB-188-Mem-Info:
[94157.971781] Node 0 Normal scan:0 a_anon:49288 i_anon:7805 a_file:145 i_file:408 unevictable:0
[94157.971786] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[94157.971790] Node 1 DMA32 scan:0 a_anon:3019 i_anon:663 a_file:0 i_file:1 unevictable:0
[94157.971795] Node 1 Normal scan:0 a_anon:17992 i_anon:3434 a_file:133 i_file:182 unevictable:0
[94157.971801] Total 83081 anon:82201 file:880 a_anon:70299 i_anon:11902 a_file:278 i_file:602 unevictable:0
[94157.971807] UB: 188 RAM: 89295 / 98304 [12] SWAP: 31248 / 32768 [12] KMEM: 20742144 / 201326592 [0] Dirty 0
[96077.906840] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[96077.906847] php cpuset=183 mems_allowed=0-1
[96077.906850] __ratelimit: 6 callbacks suppressed
[96077.906853] UB-183-Mem-Info:
[96077.906858] Node 0 Normal scan:5276 a_anon:53731 i_anon:6033 a_file:0 i_file:6 unevictable:0
[96077.906863] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[96077.906867] Node 1 DMA32 scan:9 a_anon:3187 i_anon:664 a_file:0 i_file:0 unevictable:0
[96077.906872] Node 1 Normal scan:9192 a_anon:24625 i_anon:3222 a_file:2 i_file:29 unevictable:0
[96077.906877] Total 91498 anon:91462 file:36 a_anon:81543 i_anon:9919 a_file:2 i_file:34 unevictable:0
[96077.906883] UB: 183 RAM: 98272 / 98304 [229] SWAP: 32803 / 32768 [229] KMEM: 21028864 / 201326592 [0] Dirty 0
[96077.906888] Out of memory in UB: kill process 365734 (mysqld_safe) or a child
[96077.907231] Killed process 365766 (mysqld) vsz:280488kB, anon-rss:31424kB, file-rss:488kB
[96077.920155] OOM killed process mysqld (pid=486348, ve=183) exited, free=255613.
[96077.920161] UB-183-Mem-Info:
[96077.920165] Node 0 Normal scan:5725 a_anon:50185 i_anon:4891 a_file:0 i_file:0 unevictable:0
[96077.920170] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[96077.920175] Node 1 DMA32 scan:9 a_anon:2505 i_anon:569 a_file:0 i_file:0 unevictable:0
[96077.920180] Node 1 Normal scan:9917 a_anon:22872 i_anon:2832 a_file:2 i_file:29 unevictable:0
[96077.920185] Total 83885 anon:83854 file:31 a_anon:75562 i_anon:8292 a_file:2 i_file:29 unevictable:0
[96077.920191] UB: 183 RAM: 90762 / 98304 [229] SWAP: 22422 / 32768 [229] KMEM: 20586496 / 201326592 [0] Dirty 0
[97492.758629] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[97492.758636] php cpuset=183 mems_allowed=0-1
[97492.758640] UB-183-Mem-Info:
[97492.758644] Node 0 Normal scan:64 a_anon:42773 i_anon:4799 a_file:0 i_file:0 unevictable:0
[97492.758649] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[97492.758654] Node 1 DMA32 scan:27 a_anon:26398 i_anon:3277 a_file:0 i_file:0 unevictable:0
[97492.758658] Node 1 Normal scan:136 a_anon:13681 i_anon:2217 a_file:0 i_file:0

unevictable:0
[97492.758664] Total 93145 anon:93145 file:0 a_anon:82852 i_anon:10293 a_file:0 i_file:0 unevictable:0
[97492.758669] UB: 183 RAM: 98302 / 98304 [230] SWAP: 32788 / 32768 [230] KMEM: 19886080 / 201326592 [0] Dirty 0
[97492.758674] Out of memory in UB: kill process 365734 (mysqld_safe) or a child
[97492.759076] Killed process 486584 (mysqld) vsz:277728kB, anon-rss:23284kB, file-rss:528kB
[97492.769883] OOM killed process mysqld (pid=486668, ve=183) exited, free=266622.
[97492.770007] UB-183-Mem-Info:
[97492.770014] Node 0 Normal scan:32 a_anon:40343 i_anon:3050 a_file:2 i_file:225 unevictable:0
[97492.770021] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[97492.770028] Node 1 DMA32 scan:32 a_anon:25652 i_anon:3115 a_file:0 i_file:0 unevictable:0
[97492.770036] Node 1 Normal scan:32 a_anon:12981 i_anon:2116 a_file:1 i_file:8 unevictable:0
[97492.770044] Total 87493 anon:87257 file:236 a_anon:78976 i_anon:8281 a_file:3 i_file:233 unevictable:0
[97492.770050] UB: 183 RAM: 92719 / 98304 [238] SWAP: 24116 / 32768 [238] KMEM: 19759104 / 201326592 [0] Dirty 0
[108608.489396] CT: 188: stopped
[108609.672423] CT: 188: started
[113206.445641] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1579 11 503 0 pipe failed
[113206.445658] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1582 11 503 0 pipe failed
[113206.445671] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1580 11 503 0 pipe failed
[113206.445682] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1573 11 503 0 pipe failed
[113206.445690] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1581 11 503 0 pipe failed
[113206.445807] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1584 11 503 0 pipe failed
[113206.445815] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1578 11 503 0 pipe failed
[113206.445832] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1576 11 503 0 pipe failed
[113206.445876] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1574 11 503 0 pipe failed
[113206.445927] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 1572 11 503 0 pipe failed
[116748.152521] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 13829 11 502 0 pipe failed
[118247.634500] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4537 11 505 0 pipe failed
[118247.634519] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4531 11 505 0 pipe failed
[118247.634574] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4529 11 505 0 pipe failed

[118247.634586] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4528 11 505 0 pipe failed
[118247.634880] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4534 11 505 0 pipe failed
[118247.634946] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4532 11 505 0 pipe failed
[118247.635037] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4530 11 505 0 pipe failed
[118247.635049] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4536 11 505 0 pipe failed
[118247.635222] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4535 11 505 0 pipe failed
[118247.635258] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 4533 11 505 0 pipe failed
[130699.235446] Core dump to |/usr/libexec/abrt-hook-ccpp /var/spool/abrt 27935 11 502 0 pipe failed
[138345.100388] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138345.100394] php cpuset=188 mems_allowed=0-1
[138345.100396] UB-188-Mem-Info:
[138345.100400] Node 0 Normal scan:113 a_anon:28275 i_anon:3439 a_file:0 i_file:0 unevictable:0
[138345.100404] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138345.100409] Node 1 DMA32 scan:0 a_anon:1 i_anon:36 a_file:0 i_file:0 unevictable:0
[138345.100413] Node 1 Normal scan:23 a_anon:52833 i_anon:8791 a_file:5 i_file:0 unevictable:0
[138345.100418] Total 93380 anon:93375 file:5 a_anon:81109 i_anon:12266 a_file:5 i_file:0 unevictable:0
[138345.100423] UB: 188 RAM: 98287 / 98304 [13] SWAP: 32812 / 32768 [13] KMEM: 19292160 / 201326592 [0] Dirty 0
[138345.100427] Out of memory in UB: kill process 799805 (mysqld_safe) or a child
[138345.100847] Killed process 799829 (mysqld) vsz:128712kB, anon-rss:8616kB, file-rss:188kB
[138345.106371] OOM killed process mysqld (pid=837278, ve=188) exited, free=387793.
[138345.106377] UB-188-Mem-Info:
[138345.106381] Node 0 Normal scan:310 a_anon:27013 i_anon:3434 a_file:16 i_file:62 unevictable:0
[138345.106386] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138345.106391] Node 1 DMA32 scan:0 a_anon:0 i_anon:12 a_file:0 i_file:0 unevictable:0
[138345.106395] Node 1 Normal scan:0 a_anon:52136 i_anon:8655 a_file:25 i_file:40 unevictable:0
[138345.106401] Total 91393 anon:91250 file:143 a_anon:79149 i_anon:12101 a_file:41 i_file:102 unevictable:0
[138345.106407] UB: 188 RAM: 96225 / 98304 [13] SWAP: 28338 / 32768 [13] KMEM: 18788352 / 201326592 [0] Dirty 0
[138345.741929] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138345.741936] php cpuset=188 mems_allowed=0-1
[138345.741938] UB-188-Mem-Info:
[138345.741943] Node 0 Normal scan:3027 a_anon:28559 i_anon:3522 a_file:0 i_file:4 unevictable:0

[138345.741948] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138345.741952] Node 1 DMA32 scan:17 a_anon:0 i_anon:8 a_file:0 i_file:0 unevictable:0
[138345.741956] Node 1 Normal scan:2432 a_anon:52888 i_anon:8781 a_file:0 i_file:0 unevictable:0
[138345.741961] Total 93764 anon:93758 file:6 a_anon:81447 i_anon:12311 a_file:0 i_file:6 unevictable:0
[138345.741967] UB: 188 RAM: 98301 / 98304 [14] SWAP: 32792 / 32768 [14] KMEM: 18137088 / 201326592 [0] Dirty 0
[138345.741972] Out of memory in UB: kill process 837257 (php) or a child
[138345.742211] Killed process 837257 (php) vsz:86540kB, anon-rss:39620kB, file-rss:464kB
[138345.751692] OOM killed process php (pid=837257, ve=188) exited, free=392059.
[138345.751775] UB-188-Mem-Info:
[138345.751782] Node 0 Normal scan:0 a_anon:22632 i_anon:1889 a_file:0 i_file:149 unevictable:0
[138345.751790] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138345.751797] Node 1 DMA32 scan:8 a_anon:0 i_anon:8 a_file:0 i_file:0 unevictable:0
[138345.751804] Node 1 Normal scan:32 a_anon:51421 i_anon:7884 a_file:4 i_file:41 unevictable:0
[138345.751811] Total 84028 anon:83834 file:194 a_anon:74053 i_anon:9781 a_file:4 i_file:190 unevictable:0
[138345.751817] UB: 188 RAM: 88781 / 98304 [16] SWAP: 29801 / 32768 [16] KMEM: 17903616 / 201326592 [0] Dirty 0
[138348.159302] mysqld invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138348.159308] mysqld cpuset=188 mems_allowed=0-1
[138348.159311] Out of memory in UB: kill process 799805 (mysqld_safe) or a child
[138348.159639] Killed process 837325 (mysqld) vsz:121532kB, anon-rss:15724kB, file-rss:292kB
[138348.162007] OOM killed process mysqld (pid=837332, ve=188) exited, free=389539.
[138348.336231] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138348.336242] php cpuset=188 mems_allowed=0-1
[138348.336248] Out of memory in UB: kill process 837260 (php) or a child
[138348.336337] Killed process 837260 (php) vsz:91228kB, anon-rss:54020kB, file-rss:904kB
[138348.358052] OOM killed process php (pid=837260, ve=188) exited, free=397038.
[138349.146070] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138349.146076] php cpuset=188 mems_allowed=0-1
[138349.146079] Out of memory in UB: kill process 837344 (php) or a child
[138349.146157] Killed process 837344 (php) vsz:168060kB, anon-rss:133676kB, file-rss:1004kB
[138349.153901] OOM killed process php (pid=837344, ve=188) exited, free=414934.
[138384.643414] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138384.643421] php cpuset=188 mems_allowed=0-1
[138384.643425] Out of memory in UB: kill process 799805 (mysqld_safe) or a child
[138384.643809] Killed process 837377 (mysqld) vsz:125968kB, anon-rss:7892kB, file-rss:288kB
[138384.648328] OOM killed process mysqld (pid=839815, ve=188) exited, free=359389.
[138385.017813] mysqld invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138385.017818] mysqld cpuset=188 mems_allowed=0-1
[138385.017820] Out of memory in UB: kill process 839762 (php) or a child
[138385.017897] Killed process 839762 (php) vsz:87756kB, anon-rss:53220kB, file-rss:468kB
[138385.043087] OOM killed process php (pid=839762, ve=188) exited, free=374384.

[138386.232390] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138386.232396] php cpuset=188 mems_allowed=0-1
[138386.232399] Out of memory in UB: kill process 799805 (mysqld_safe) or a child
[138386.232681] Killed process 839972 (mysqld) vsz:117228kB, anon-rss:11048kB, file-rss:240kB
[138386.234173] OOM killed process mysqld (pid=839981, ve=188) exited, free=372243.
[138386.326274] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138386.326281] php cpuset=188 mems_allowed=0-1
[138386.326284] Out of memory in UB: kill process 839649 (php) or a child
[138386.326364] Killed process 839649 (php) vsz:93504kB, anon-rss:42840kB, file-rss:652kB
[138386.334172] OOM killed process php (pid=839649, ve=188) exited, free=383158.
[138465.335322] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138465.335329] php cpuset=188 mems_allowed=0-1
[138465.335332] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[138465.335654] Killed process 840142 (mysqld) vsz:129796kB, anon-rss:10280kB, file-rss:264kB
[138465.340396] OOM killed process mysqld (pid=843815, ve=188) exited, free=386755.
[138465.687470] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138465.687476] php cpuset=188 mems_allowed=0-1
[138465.687479] Out of memory in UB: kill process 843801 (php) or a child
[138465.687558] Killed process 843801 (php) vsz:86568kB, anon-rss:47560kB, file-rss:592kB
[138465.693545] OOM killed process php (pid=843801, ve=188) exited, free=394694.
[138466.447619] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138466.447626] php cpuset=188 mems_allowed=0-1
[138466.447629] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[138466.447924] Killed process 843875 (mysqld) vsz:116700kB, anon-rss:10700kB, file-rss:296kB
[138466.449144] OOM killed process mysqld (pid=843886, ve=188) exited, free=375503.
[138466.569203] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138466.569209] php cpuset=188 mems_allowed=0-1
[138466.569212] Out of memory in UB: kill process 843802 (php) or a child
[138466.569291] Killed process 843802 (php) vsz:90412kB, anon-rss:49552kB, file-rss:840kB
[138466.575490] OOM killed process php (pid=843802, ve=188) exited, free=382034.
[138902.738723] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138902.738728] php cpuset=188 mems_allowed=0-1
[138902.738731] __ratelimit: 22 callbacks suppressed
[138902.738732] UB-188-Mem-Info:
[138902.738735] Node 0 Normal scan:508 a_anon:58415 i_anon:7281 a_file:3 i_file:0 unevictable:0
[138902.738740] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138902.738743] Node 1 DMA32 scan:2 a_anon:1986 i_anon:217 a_file:0 i_file:0 unevictable:0
[138902.738746] Node 1 Normal scan:66 a_anon:21006 i_anon:3516 a_file:0 i_file:0 unevictable:0
[138902.738750] Total 92424 anon:92421 file:3 a_anon:81407 i_anon:11014 a_file:3 i_file:0 unevictable:0
[138902.738755] UB: 188 RAM: 98298 / 98304 [71] SWAP: 32771 / 32768 [71] KMEM: 20668416 / 201326592 [0] Dirty 0
[138902.738758] Out of memory in UB: kill process 840118 (mysqld_safe) or a child

[138902.739034] Killed process 843926 (mysqld) vsz:128392kB, anon-rss:9852kB, file-rss:284kB
[138902.742996] OOM killed process mysqld (pid=859571, ve=188) exited, free=286757.
[138902.743001] UB-188-Mem-Info:
[138902.743005] Node 0 Normal scan:740 a_anon:57392 i_anon:7295 a_file:22 i_file:83 unevictable:0
[138902.743009] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138902.743013] Node 1 DMA32 scan:32 a_anon:1952 i_anon:248 a_file:0 i_file:0 unevictable:0
[138902.743017] Node 1 Normal scan:32 a_anon:20058 i_anon:3022 a_file:7 i_file:41 unevictable:0
[138902.743022] Total 90120 anon:89967 file:153 a_anon:79402 i_anon:10565 a_file:29 i_file:124 unevictable:0
[138902.743027] UB: 188 RAM: 95903 / 98304 [71] SWAP: 29969 / 32768 [71] KMEM: 20217856 / 201326592 [0] Dirty 0
[138903.104004] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138903.104009] php cpuset=188 mems_allowed=0-1
[138903.104011] UB-188-Mem-Info:
[138903.104014] Node 0 Normal scan:97 a_anon:57502 i_anon:7190 a_file:0 i_file:0 unevictable:0
[138903.104017] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138903.104020] Node 1 DMA32 scan:6 a_anon:4515 i_anon:850 a_file:0 i_file:0 unevictable:0
[138903.104023] Node 1 Normal scan:96 a_anon:19705 i_anon:3271 a_file:4 i_file:0 unevictable:0
[138903.104027] Total 93037 anon:93033 file:4 a_anon:81722 i_anon:11311 a_file:4 i_file:0 unevictable:0
[138903.104031] UB: 188 RAM: 98290 / 98304 [72] SWAP: 32802 / 32768 [72] KMEM: 19779584 / 201326592 [0] Dirty 0
[138903.104034] Out of memory in UB: kill process 859486 (php) or a child
[138903.104111] Killed process 859486 (php) vsz:80800kB, anon-rss:36316kB, file-rss:692kB
[138903.131569] OOM killed process php (pid=859486, ve=188) exited, free=299675.
[138903.131572] UB-188-Mem-Info:
[138903.131575] Node 0 Normal scan:288 a_anon:52202 i_anon:6154 a_file:433 i_file:118 unevictable:0
[138903.131578] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[138903.131581] Node 1 DMA32 scan:32 a_anon:4266 i_anon:850 a_file:2 i_file:2 unevictable:0
[138903.131584] Node 1 Normal scan:32 a_anon:17555 i_anon:3129 a_file:57 i_file:110 unevictable:0
[138903.131587] Total 84878 anon:84156 file:722 a_anon:74023 i_anon:10133 a_file:492 i_file:230 unevictable:0
[138903.131591] UB: 188 RAM: 90248 / 98304 [72] SWAP: 30451 / 32768 [72] KMEM: 19542016 / 201326592 [0] Dirty 0
[138903.727047] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138903.727058] php cpuset=188 mems_allowed=0-1
[138903.727064] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[138903.727525] Killed process 859639 (mysqld) vsz:116700kB, anon-rss:12316kB, file-rss:280kB
[138903.729430] OOM killed process mysqld (pid=859655, ve=188) exited, free=320715.
[138903.956178] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[138903.956182] php cpuset=188 mems_allowed=0-1

[138903.956185] Out of memory in UB: kill process 859482 (php) or a child
[138903.956262] Killed process 859482 (php) vsz:89192kB, anon-rss:47968kB, file-rss:804kB
[138903.969636] OOM killed process php (pid=859482, ve=188) exited, free=331042.
[140448.809835] hrtimer: interrupt took 33123 ns
[140449.673179] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140449.673184] php cpuset=188 mems_allowed=0-1
[140449.673187] __ratelimit: 4 callbacks suppressed
[140449.673189] UB-188-Mem-Info:
[140449.673192] Node 0 Normal scan:128 a_anon:44080 i_anon:4665 a_file:0 i_file:9 unevictable:0
[140449.673197] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[140449.673200] Node 1 DMA32 scan:1 a_anon:35433 i_anon:6667 a_file:0 i_file:0 unevictable:0
[140449.673204] Node 1 Normal scan:6 a_anon:1268 i_anon:237 a_file:0 i_file:0 unevictable:0
[140449.673209] Total 92367 anon:92350 file:17 a_anon:80781 i_anon:11569 a_file:17 i_file:0 unevictable:0
[140449.673213] UB: 188 RAM: 98261 / 98304 [83] SWAP: 32775 / 32768 [83] KMEM: 22544384 / 201326592 [0] Dirty 0
[140449.673217] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[140449.673691] Killed process 859684 (mysqld) vsz:129748kB, anon-rss:8448kB, file-rss:340kB
[140449.678058] OOM killed process mysqld (pid=912278, ve=188) exited, free=246900.
[140449.678063] UB-188-Mem-Info:
[140449.678066] Node 0 Normal scan:32 a_anon:43476 i_anon:4779 a_file:57 i_file:35 unevictable:0
[140449.678071] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[140449.678075] Node 1 DMA32 scan:64 a_anon:34196 i_anon:6706 a_file:0 i_file:0 unevictable:0
[140449.678080] Node 1 Normal scan:237 a_anon:840 i_anon:230 a_file:0 i_file:21 unevictable:0
[140449.678085] Total 90340 anon:90227 file:113 a_anon:78512 i_anon:11715 a_file:57 i_file:56 unevictable:0
[140449.678091] UB: 188 RAM: 96070 / 98304 [83] SWAP: 29553 / 32768 [83] KMEM: 21970944 / 201326592 [0] Dirty 0
[140449.988462] mysqld invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140449.988468] mysqld cpuset=188 mems_allowed=0-1
[140449.988471] UB-188-Mem-Info:
[140449.988475] Node 0 Normal scan:193 a_anon:43267 i_anon:5309 a_file:0 i_file:0 unevictable:0
[140449.988479] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[140449.988483] Node 1 DMA32 scan:0 a_anon:35882 i_anon:7090 a_file:0 i_file:0 unevictable:0
[140449.988487] Node 1 Normal scan:138 a_anon:990 i_anon:191 a_file:0 i_file:0 unevictable:0
[140449.988492] Total 92729 anon:92729 file:0 a_anon:80139 i_anon:12590 a_file:0 i_file:0 unevictable:0
[140449.988497] UB: 188 RAM: 98304 / 98304 [87] SWAP: 32779 / 32768 [87] KMEM: 21590016 / 201326592 [0] Dirty 0
[140449.988501] Out of memory in UB: kill process 912214 (php) or a child
[140449.988584] Killed process 912214 (php) vsz:81832kB, anon-rss:44424kB, file-rss:500kB
[140449.994354] OOM killed process php (pid=912214, ve=188) exited, free=251618.
[140449.994584] UB-188-Mem-Info:
[140449.994588] Node 0 Normal scan:32 a_anon:35385 i_anon:4268 a_file:42 i_file:162

unevictable:0
[140449.994593] Node 1 DMA scan:0 a_anon:0 i_anon:0 a_file:0 i_file:0 unevictable:0
[140449.994598] Node 1 DMA32 scan:32 a_anon:34309 i_anon:7148 a_file:0 i_file:1
unevictable:0
[140449.994603] Node 1 Normal scan:32 a_anon:959 i_anon:189 a_file:8 i_file:119 unevictable:0
[140449.994608] Total 82600 anon:82268 file:332 a_anon:70663 i_anon:11605 a_file:50
i_file:282 unevictable:0
[140449.994614] UB: 188 RAM: 88295 / 98304 [92] SWAP: 32080 / 32768 [92] KMEM: 21352448
/ 201326592 [0] Dirty 0
[140450.378082] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140450.378090] php cpuset=188 mems_allowed=0-1
[140450.378093] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[140450.378348] Killed process 912320 (mysqld) vsz:116700kB, anon-rss:12552kB,
file-rss:284kB
[140450.379594] OOM killed process mysqld (pid=912320, ve=188) exited, free=253313.
[140450.503303] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140450.503311] php cpuset=188 mems_allowed=0-1
[140450.503315] Out of memory in UB: kill process 912212 (php) or a child
[140450.503404] Killed process 912212 (php) vsz:83780kB, anon-rss:36716kB, file-rss:1092kB
[140450.515453] OOM killed process php (pid=912212, ve=188) exited, free=262441.
[140450.803143] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140450.803150] php cpuset=188 mems_allowed=0-1
[140450.803153] Out of memory in UB: kill process 912215 (php) or a child
[140450.803232] Killed process 912215 (php) vsz:84768kB, anon-rss:45240kB, file-rss:1140kB
[140450.808767] OOM killed process php (pid=912215, ve=188) exited, free=258120.
[140451.471729] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140451.471736] php cpuset=188 mems_allowed=0-1
[140451.471739] Out of memory in UB: kill process 840118 (mysqld_safe) or a child
[140451.472013] Killed process 912350 (mysqld) vsz:116700kB, anon-rss:10704kB,
file-rss:304kB
[140451.473147] OOM killed process mysqld (pid=912366, ve=188) exited, free=255735.
[140451.641259] php invoked oom-killer: gfp_mask=0x200d2, order=0, oom_adj=0
[140451.641266] php cpuset=188 mems_allowed=0-1

Output directly from the server console as of now :

```
[root@xxxx ~]# w
 13:56:38 up 1 day, 17:39,  1 user,  load average: 2.08, 2.34, 2.99
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
root     pts/0    203.193.165.131  13:29    0.00s  0.10s  0.06s w

[root@xxxxx ~]# free -m
             total       used       free     shared    buffers     cached
Mem:         15900      14561       1338          0       1151       7807
-/+ buffers/cache:       5602      10298
Swap:        18126       1563      16563
```

Can anyone please advise how to get rid of these excessive memory usage errors. The node is not overloaded so its not the vps's that are consuming memory. Its the openvz kernel that I believ, is not able to manage the memory distribution properly and crashing the server.

Please advise..

Thank you in advance for your help...

Subject: Re: Centos6 and OpenVZ memory problems
Posted by cybernet2u on Thu, 15 Sep 2011 11:59:41 GMT
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i'm not an advanced linux user or some hacker but here's what i've learned in the past 2 years since i know CentOS

Never User the First Release in production series (x.0), even if it seems to be stable enough there might be small issues that can create big problems, just like in your case
i don't think openVZ team is responsible for your error.
if really wanna use CentOS 6 just wait till becomes 6.1 (there is already released in upstream) so now they test it

---

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sat, 17 Sep 2011 14:17:36 GMT
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I agree with the OP. I too have seen a number of problems with the new Centos6 OpenVZ kernel, both memory related and scheduliing relating (soft lockups). I have had to reboot our servers approx every 2 weeks for the last 2 months. I am considering grabbing our servers from the Datacenter and installing the Centos 5 OpenVZ platform instead. It seems that the Centos 6 platform is just too unstable at the moment.

But perhaps I will give it a little longer, we've been removing as many unnecessary services as we can and adding every fix we can find. Nothing seems to have truly solved the regular crashing problem yet but I might hold out a little longer in the hope new releases and patches can finally solve whatever is causing the problems on our servers, which are standard Dell 1950 servers.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by Ales on Sun, 18 Sep 2011 00:46:58 GMT
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There is no such thing as "Centos6 OpenVZ kernel". OpenVZ uses a RHEL 6 kernel, these are two different things.

OpenVZ kernel sources come directly from Red Hat and the kernel is fully up to date as of today. So if you are using OpenVZ RHEL 6 kernel, you're using the latest RHEL 6.1 version, not the outdated CentOS 6.0 version.

If anyone has problems with OpenVZ RHEL 6 kernel, please file bugs in the OpenVZ Bugzilla. Waiting for CentOS updates won't make any difference to OpenVZ as they are not connected in any way.

If I steer a bit into an off-topic area: CentOS project is (IMHO) in a bad state right now. It seems to be severely undermanned and poorly managed. Anyone using CentOS 6 in a live environment right now is very courageous (to use a polite term), considering you're not getting any updates at all. But this has nothing to do with OpenVZ.

IMHO, the current recipe for sane sysadmin life seems to be using Scientific Linux 6.x and OpenVZ RHEL 6 kernel. Unless something drastically changes at how CentOS project is run, I wouldn't use it even after/if they catch up with the updates.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sun, 18 Sep 2011 02:09:30 GMT
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Ales wrote on Sun, 18 September 2011 10:46There is no such thing as "Centos6 OpenVZ kernel". OpenVZ uses a RHEL 6 kernel, these are two different things.

OpenVZ kernel sources come directly from Red Hat and the kernel is fully up to date as of today. So if you are using OpenVZ RHEL 6 kernel, you're using the latest RHEL 6.1 version, not the outdated CentOS 6.0 version.

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IMHO, the current recipe for sane sysadmin life seems to be using Scientific Linux 6.x and OpenVZ RHEL 6 kernel. Unless something drastically changes at how CentOS project is run, I wouldn't use it even after/if they catch up with the updates.

I know centos6 kernel is the wrong name to give it but I'm sure people know what I meant. Yes its the RHEL6 OpenVZ Kernel on a Centos 6.0 platform. I'm not attacking OpenVZ Developers, I love what they are doing and OpenVZ. I'm just adding my experience so far with Centos 6 and OpenVZ RHEL 6 kernel.

Thanks for your input though. Perhaps we'll try Scientigic Linux 6.x instead. Are there many people running production servers on Scientific Linux 6.x here? Any feedback regarding Scientific Linux 6.x?

Subject: Re: Centos6 and OpenVZ memory problems
Posted by Ales on Sun, 18 Sep 2011 02:47:37 GMT
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bjdea1, I apologize if my post came across a bit harsh, that was not my intention. I was referring to both yours and cybernet2u's post when I was writing mine and just wanted to make clear to anyone else reading this thread that OpenVZ RHEL 6 kernel isn't affected by the lack of CentOS 6 updates.

To perhaps answer the other part of your post - we're currently deploying SL 6 on a bunch of new servers and promote it's VM templates instead of CentOS 6 to our customers. It's been nothing but a smooth ride for us.

Technically, it does all I expect it to do and the SL community seems very nice too. The developers seem to be on top of things, considering their response times when it comes to small SL-related bugs and, most importantly, upstream updates.

We have been using CentOS since it first came out and stuck with it as long as we could, despite all the problems. I have the highest regard for many of the community members there and I hope their developers manage to turn things around. But to be honest, it doesn't look good and at the moment, SL seems like a better choice. All IMHO, of course.

I'd also like to hear others who perhaps use SL / OpenVZ combo, so if anyone else is reading... do chip in.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sun, 18 Sep 2011 04:57:50 GMT
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I'm considering just switching repo's on my servers now (to Scientific Linux), and running a yum update. Seems simple enough and could solve the issue we're having. Thinking about it...

Subject: Re: Centos6 and OpenVZ memory problems
Posted by cybernet2u on Sun, 18 Sep 2011 11:06:20 GMT
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Quote:Waiting for CentOS updates won't make any difference to OpenVZ as they are not connected in any way.

then maybe you can tell me why the latest RHEL5 kernel has the latest version number in combination with the openVZ patch version.

ovzkernel-2.6.18-274.3.1.el5.028stab094.2.x86_64.rpm

well it's because they take the latest kernel released by CentOS team and patch it with their own

so maybe are not connected but it does make a difference to openVZ

Subject: Re: Centos6 and OpenVZ memory problems
Posted by Ales on Sun, 18 Sep 2011 13:26:33 GMT
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What the h... are you talking about? Again, CentOS speed of updates has no impact and makes no difference to OpenVZ. OpenVZ takes the freely available Red Hat Enterprise Linux kernel source, same as you or I could if we wanted. Please don't spread FUD out of ignorance.

You do know what CentOS is and how they create their binary packages? You do know that CentOS takes the RHEL sources without changing them (apart from few exceptions, like anaconda, etc.), same as SL, PUIAS, etc.?

The fact that CentOS 5 has catched up with the updates recently and the fact that OpenVZ now has the same version of the RHEL 5 kernel is a coincidence. OpenVZ did not wait for CentOS updates to catch up, same as SL or PUIAS didn't. They all separately took RHEL sources and worked with them.

Take a look at the OpenVZ RHEL 6 kernel and tell me which minor version is it - you'll find it in the release notes and/or in the source. Than look at the CentOS 6 kernel and tell me the minor version. See?

Subject: Re: Centos6 and OpenVZ memory problems
Posted by kir on Mon, 19 Sep 2011 08:35:29 GMT
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Well, as usual you should take a look at /proc/user_beancounters, find the affected CTs, increase their limits, check the validity of CT configuration (vzcfgvalidate), then check that the system as a whole is not overcommitted (vzmemcheck). Some more info is available at http://wiki.openvz.org/Resource_shortage.

Or, in case you are using vswap, things are a little bit different. But since you have migrated from rhel5 kernel you are probably not using vswap.

Subject: Re: Centos6 and OpenVZ memory problems

Posted by mustardman on Mon, 19 Sep 2011 19:00:36 GMT
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bjdea1 wrote on Sun, 18 September 2011 00:57I'm considering just switching repo's on my servers now (to Scientific Linux), and running a yum update. Seems simple enough and could solve the issue we're having. Thinking about it...

Please let us know how that works out. It should work. Now would be a good time since SL is at 6.1 and CentOS is still at 6.0 (although they are adding incremental updates now). So the conversion would update a lot of packages which lessens the chance of some wierd incompatibility coming up.

To the other poster asking about Scientific Linux stability. It is used by some of the largest Educational institutions in the world as well as CERN. I don't have any specific information but it's a forgone conclusion that there are large commercial organizations using it.

Regardless, because CentOS and SL are both just recompiled versions of RHEL they are almost identical and no reason they both should not be equally as stable.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sat, 24 Sep 2011 23:53:11 GMT
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I switched to Scientific Linux on both my nodes (servers). Unfortunately it didn't solve the problem. Same issue, cpu soft_lockups occur randomly, every few days. I'm wondering if its a driver issue. I saw it happen last night but caught it too late. I was connected to node remotely via ssh and left top running. I saw last top output with node load at 1400+ and 2 processes running at 100%. The node was unresponsive by the time I got to see it, but I did see one last top screen update, the last one. So I know that this problem I'm having takes at least few minutes to build up the load. I am hoping I can simply kill the 100% processes and avoid node from locking up. I've written a small program to monitor load and send me an SMS when the load spikes over 15, that way the next time I will see if I can stop node lock up by just killing the process or see if I can issue reboot command before load gets too high.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sat, 24 Sep 2011 23:58:35 GMT
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Here's part of top output:

top - 20:33:41 up 19:04, 1 user, load average: 1484.78, 1294.08, 881.16
Tasks: 3168 total, 12 running, 3141 sleeping, 0 stopped, 15 zombie
Cpu(s): 0.1%us, 25.2%sy, 0.0%ni, 0.0%id, 74.8%wa, 0.0%hi, 0.0%si, 0.0%st
Mem: 16425816k total, 16265468k used, 160348k free, 2705988k buffers
Swap: 16381944k total, 57692k used, 16324252k free, 4788064k cached

Subject: Re: Centos6 and OpenVZ memory problems
Posted by txqzr4 on Thu, 29 Sep 2011 07:34:19 GMT
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Ales wrote on Sat, 17 September 2011 22:47
I'd also like to hear others who perhaps use SL / OpenVZ combo, so if anyone else is reading... do chip in.

I switched earlier this year and haven't looked back . . . CentOS seems to rely largely on one person who seems to hold everything up.

I suppose its unfair to grind an axe since it's free, the developer(s) put a lot of personal time into it obviously -- but it is what it is and I moved on.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by Rene on Fri, 30 Sep 2011 08:13:54 GMT
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bjdea1 wrote on Sun, 18 September 2011 00:57I'm considering just switching repo's on my servers now (to Scientific Linux), and running a yum update. Seems simple enough and could solve the issue we're having. Thinking about it...

I'm in the same situation and followed [blog.bradiceanu.net/2011/09/02/how-to-convert-centos-6-0-to -scientific-linux-6-x/] to convert my Centos 6.0 to SL 6.1.

Five minutes and it was done. If everything was just so easy.

FWIW.

Sorry I'm not trusted to post links yet.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Fri, 30 Sep 2011 10:34:29 GMT
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Yes it is easy switching to SL6.1, I had no problems either and I'm glad to report that both my servers have had no crashes lately which is pleasing, I'm really hoping I've solved my problems, fingers crossed !

Subject: Re: Centos6 and OpenVZ memory problems
Posted by Rene on Sun, 02 Oct 2011 08:40:46 GMT
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I agree. I followed this howto and it was a matter of minutes to change from Centos 6.0 to SL6.1.

Also haven't noticed any problems so far, fingers crossed indeed!

Subject: Re: Centos6 and OpenVZ memory problems
Posted by seanfulton on Sat, 15 Oct 2011 19:45:54 GMT
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Running SL 6.0 on one machine, 6.1 on 2 more; no resource issues at all. In fact, SL 6.* is *much* better about IO sharing between containers than CENTOS 5.* was.

There is an issue with /dev/ptmx though for some of our old RHEL4-based VEs, but that is solved easily enough.

My advice, if your are having lockups in CENT5, upgrade to SL 6.*. If you still have issues, it's not OpenVZ or the OS, it's your configs or hardware.

Planning to migrate 8 more nodes from CENT5 to SL6.1 in the next 30 days ... rock on!

sean

Subject: Re: Centos6 and OpenVZ memory problems
Posted by bjdea1 on Sat, 15 Oct 2011 23:23:59 GMT
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I would like to follow up on my experience.

I originally installed Centos 6 on our server and applied the latest RHEL6 OpenVZ kernel. We had stability issues and the server was crashing randomly. I then tried upgrading from Centos 6.0 to Scientific Linux 6.1 and again updated the OpenVZ kernel to latest RHEL6. We still had stability issues however we got up to 11 days uptime at one point. Finally after too many crashes we scrapped the RHEL6 platform and installed the Centos 5 Operating system and installed the latest RHEL5 kernel. We now have complete stability, no outages, no crashes, constant stable platform.

This proves that the issues we were having were RHEL6 OpenVZ kernel related and not hardware related.

One key consideration with my server, which is a Dell 1950, is that it is a fully populated production server with many varied VPS's running. Gaming VPS's, wHM/cpanel VPS's, Proxy VPS's, etc. Seems that RHEL6 OpenVZ kernel has still some way to go before it can handle large complex platforms.

Our other server is also a Dell 1950 however it has only a few VPS's and its under low loads, pretty simple setup. Its still on the RHEL6 OpenVZ kernel platform and running fine. So in my

eyes that makes it clear that RHEL6 OpenVZ kernel still does not yet cope with a large complex VPS environment, at least not in our experience.

But I want to commend the OpenVZ developers because the bug reports that I submitted were looked at quickly and they were working on the issues. It was good to see how active they were in working to resolve the bugs I reported and I'm sad that I had to revert back to the RHEL 5 platform before being able to give them more feedback. But I know they will get on top of these issues and probably in a month or 2 it'll all be cleared up.

Subject: Re: Centos6 and OpenVZ memory problems
Posted by dodo on Fri, 18 Nov 2011 14:52:46 GMT
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I have a problem co create new container.... this message from system :

Internal error: Command 'vzctl set 1 --userpasswd root:dodo' execution failed with code 47
Output: Starting container ...
Container is mounted
Unable to start init, probably incorrect template
Container start failed
Stopping container ...
Container was stopped
Container is unmounted

can you help me??? please...
i am using :
Host OS : centos 6.0 / openvz web panel / os server using ubuntu 8.04.
