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Subject: vzctl --cpus causes strange load in top

Posted by [Guido Stepken](#) on Tue, 18 Dec 2007 09:14:54 GMT

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vzctl --cpus causes strange load metering:

top - 09:40:02 up 9 days, 7:32, 0 users, load average: 864.89, 938.24, 675.41

Tasks: 124 total, 2 running, 121 sleeping, 0 stopped, 1 zombie

Cpu(s): 13.7%us, 0.6%sy, 0.0%ni, 84.6%id, 1.1%wa, 0.0%hi, 0.0%si, 0.0%st

Mem: 16099800k total, 15962272k used, 137528k free, 271512k buffers

Swap: 3911816k total, 6920k used, 3904896k free, 11216460k cached

```
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
14004 apache 25 0 14336 10m 9772 R 100 0.1 0:06.79 convert
14015 apache 15 0 6988 3276 1588 S 1 0.0 0:00.04 proftpd
13732 apache 15 0 41744 24m 2840 S 0 0.2 0:06.36 apache2
13826 apache 18 0 41908 24m 2836 S 0 0.2 0:04.76 apache2
13990 root 15 0 2240 1132 836 R 0 0.0 0:00.04 top
1 root 18 0 1596 540 476 S 0 0.0 0:01.84 init
25736 root 18 0 2076 816 504 S 0 0.0 0:05.91 syslog-ng
26150 root 18 0 4096 932 616 S 0 0.0 0:00.00 sshd
28340 mysql 18 0 550m 368m 4152 S 0 2.3 118:43.82 mysqld
32152 ftp 18 0 6192 1380 612 S 0 0.0 0:01.76 proftpd
32246 root 18 0 1652 464 384 S 0 0.0 0:00.23 cron
1515 root 17 0 6360 1668 1256 S 0 0.0 0:07.12 master
1522 postfix 15 0 6404 1712 1284 S 0 0.0 0:04.30 qmgr
17834 root 18 0 1980 668 532 S 0 0.0 0:00.00 vzctl
17835 root 18 0 2736 1516 1236 S 0 0.0 0:00.00 bash
32323 root 18 0 2180 832 664 S 0 0.0 0:00.14 cron
32325 root 18 0 0 0 0 Z 0 0.0 0:00.00 bash <defunct>
1406 root 18 0 1500 288 236 S 0 0.0 0:00.01 cronolog
1423 root 15 0 22932 10m 4020 S 0 0.1 0:00.11 apache2-php5
1424 root 18 0 1640 424 360 S 0 0.0 0:00.00 cronolog
1552 apache 18 0 22932 8060 1820 S 0 0.1 0:00.00 apache2-php5
1553 apache 18 0 22932 8060 1820 S 0 0.1 0:00.00 apache2-php5
3549 root 18 0 6484 1696 1292 S 0 0.0 0:00.00 sendmail
3551 root 25 0 6456 1656 1256 S 0 0.0 0:00.02 postdrop
2018 root 18 0 1508 292 236 S 0 0.0 0:00.00 cronolog
3133 root 18 0 29504 13m 4048 S 0 0.1 0:00.87 apache2
3134 root 18 0 1636 428 360 S 0 0.0 0:00.01 cronolog
3138 root 18 0 1636 428 360 S 0 0.0 0:00.04 cronolog
3139 root 18 0 1644 432 360 S 0 0.0 0:00.00 cronolog
3141 root 18 0 1644 428 360 S 0 0.0 0:00.01 cronolog
3143 root 18 0 1644 428 360 S 0 0.0 0:00.00 cronolog
3145 root 18 0 1636 424 360 S 0 0.0 0:00.00 cronolog
3148 root 18 0 1512 292 236 S 0 0.0 0:00.01 cronolog
3150 root 18 0 1644 428 360 S 0 0.0 0:00.04 cronolog
```

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3151 root 18 0 1508 292 236 S 0 0.0 0:00.00 cronolog
3152 root 18 0 1504 292 236 S 0 0.0 0:00.01 cronolog
3153 root 25 0 1512 296 236 S 0 0.0 0:00.00 cronolog
3154 root 18 0 1632 424 360 S 0 0.0 0:00.37 cronolog
3155 root 18 0 1644 432 360 S 0 0.0 0:00.00 cronolog
3156 root 18 0 1644 432 360 S 0 0.0 0:00.01 cronolog
3157 root 18 0 1632 420 360 S 0 0.0 0:00.01 cronolog
3158 root 18 0 1636 428 360 S 0 0.0 0:00.01 cronolog
ggh1-vps / # cat /proc/user_beancounters
Version: 2.5
uid resource held maxheld barrier limit failcnt
501: kmemsize 12957612 23959066 59436509 65380159 0
lockedpages 0 5 2902 2902 0
privvmpages 202365 491934 1200000 1200000 2673511
shmpages 2330 19000 62209 62209 0
dummy 0 0 0 0 0
numproc 127 199 32000 32000 0
physpages 137440 361644 0 2147483647 0
vmguarpages 0 0 622098 2147483647 0
oomguarpages 139149 363498 1000000 2147483647 0
numtcpsock 15 137 2666 2666 0
numflock 2 77 1000 1100 0
numpty 2 3 16 16 0
numsiginfo 0 104 1024 1024 0
tcpsndbuf 2574336 13694864 100000000 100000000 0
tcprcvbuf 2430288 7808832 100000000 100000000 0
othersockbuf 162352 1219296 6000000 15366053 96438
dgramrcvbuf 0 8368 4446117 4446117 0
numothersock 104 128 2666 2666 0
dcachesize 1612456 1791880 12973980 13363200 0
numfile 3471 4270 100000 100000 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
numiptent 57 57 512 512 0
```

Have fun, regards, Guido

Keep up the good work!

System: Gentoo + stable openvz kernel -> runs fine so far

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