Subject: LowMem limit 3156MB x64 CentOS 5.4
Posted by ccto on Tue, 10 Nov 2009 11:17:45 GMT
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We have setup a new OpenVZ box CentOS 5.4 x64
Kernel: 2.6.18-128.2.1.el5.028stab064.8

May I know how/where does the LowMem limit 3156MB set,
shown in vzmemcheck -vA at the bottom?

We'd like to increase the LowMem limit, is it possible?

This node (8GB RAM, 32G Swap) is just newly setup without containers.

Thank you very much for your kind attention.

```
[root@vps40 /]# cat /proc/meminfo
MemTotal:      8081536 kB
MemFree:       7864616 kB
Buffers:          3472 kB
Cached:          16732 kB
SwapCached:         20 kB
Active:          39336 kB
Inactive:         8252 kB
HighTotal:           0 kB
HighFree:            0 kB
LowTotal:      8081536 kB
LowFree:       7864616 kB
SwapTotal:    32009504 kB
SwapFree:     32009484 kB
Dirty:              40 kB
Writeback:           0 kB
AnonPages:       27508 kB
Mapped:           7300 kB
Slab:            30020 kB
PageTables:       3060 kB
NFS_Unstable:        0 kB
Bounce:              0 kB
CommitLimit:  36050272 kB
Committed_AS:    90848 kB
VmallocTotal: 34359738364 kB
VmallocUsed:    349680 kB
VmallocChunk: 34359388580 kB
HugePages_Total:     0
HugePages_Free:      0
HugePages_Rsvd:      0
Hugepagesize:     2048 kB
```

```
[root@vps40 /]# cat /proc/user_beancounters
Version: 2.5
       uid  resource                     held              maxheld              barrier                limit              failcnt
         0:  kmemsize                11401124             25530081  9223372036854775807
9223372036854775807                    0
            lockedpages                 0                16883  9223372036854775807
9223372036854775807                    0
            privvmpages                23356                41526  9223372036854775807
9223372036854775807                    0
            shmpages                    1354                 1369  9223372036854775807
9223372036854775807                    0
            dummy                       0                    0  9223372036854775807  9223372036854775807
                0
            numproc                   250                  455  9223372036854775807
9223372036854775807                    0
            physpages                  8619                25256  9223372036854775807
9223372036854775807                    0
            vmguarpages                   0                    0  9223372036854775807
9223372036854775807                    0
            oomguarpages               8624                25261  9223372036854775807
9223372036854775807                    0
            numtcpsock                    5                    6  9223372036854775807
9223372036854775807                    0
            numflock                      3                    5  9223372036854775807  9223372036854775807
                0
            numpty                        2                    2  9223372036854775807  9223372036854775807
                0
            numsiginfo                    1                    7  9223372036854775807  9223372036854775807
                0
            tcpsndbuf                124624               124624  9223372036854775807
9223372036854775807                    0
            tcprcvbuf                81920                    0  9223372036854775807
9223372036854775807                    0
            othersockbuf               85840                123472  9223372036854775807
9223372036854775807                    0
            dgramrcvbuf                   0                 8464  9223372036854775807
9223372036854775807                    0
            numothersock                 95                  101  9223372036854775807
9223372036854775807                    0
            dcachesize                    0                    0  9223372036854775807  9223372036854775807
                0
            numfile                   4333                 7265  9223372036854775807
9223372036854775807                    0
            dummy                       0                    0  9223372036854775807  9223372036854775807
                0
            dummy                       0                    0  9223372036854775807  9223372036854775807
                0
            dummy                       0                    0  9223372036854775807  9223372036854775807
```

```
              0
        numiptent                45              45  9223372036854775807
9223372036854775807                0


[root@vps40 /]# vzmemcheck -vA
Output values in Mbytes
veid       LowMem  LowMem     RAM MemSwap MemSwap   Alloc   Alloc   Alloc
            util  commit    util    util  commit    util  commit   limit
------------------------------------------------------------------------
Summary:     0.00    0.00    0.00    0.00    0.00    0.00    0.00    0.00
      3156.00 3156.00 7892.00 39151.00 39151.00 39151.00 39151.00 39151.00

[root@vps40 /]# vzlist -a
     CTID      NPROC STATUS  IP_ADDR         HOSTNAME
[root@vps40 /]#
```