
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				
	tcprecvbuf	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 util	LowMem commit	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
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```
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Summary:  0.00  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
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```
[root@vps40 /]#
```

Subject: Re: LowMem limit 3156MB x64 CentOS 5.4

Posted by [kir](#) on Tue, 10 Nov 2009 11:30:15 GMT

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You drastically overcommit your system. Please read

http://wiki.openvz.org/UBC_systemwide_configuration where all values output by vzmemcheck are explained in great details.

Subject: Re: LowMem limit 3156MB x64 CentOS 5.4

Posted by [ccto](#) on Tue, 10 Nov 2009 14:30:28 GMT

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I am sorry that it is a brand new server with no container created nor running.

But I am just wondering why low-memory is still limited to 3156M , instead of 8G RAM.

Thank you for your kind attention.

Regards
