
Subject: Memory size confusion

Posted by [Brad Alexander](#) on Thu, 11 Oct 2012 14:38:09 GMT

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Hi,

I'm running openvz through Proxmox-VE. I have a container (running Debian/sid) that I am using as my puppet master, and am about to add a postgres database for puppetdb, so I was reviewing the amount of memory available to me with an eye toward adjusting it. This is when I noticed wildly differing numbers from various places.

/proc/user_beancounters says:

```
105: kmemsize      88549787      120004608
206116305         226727936      0
   lockedpages      0             548
262144           262144         0
   privvmpages      200051         304016
524288           536788         0
   shmpages         1294           2270
21504            21504         0
```

The proxmox web UI says:

```
Memory: 2.00GB
Swap:    0
```

But top and free give me different results:

top and free -m:

```
MiB Mem: 4194303 total, 2976 used, 4191327 free, 0 buffers
MiB Swap: 0 total, 0 used, 0 free, 2395 cached
```

free:

```
      total    used    free  shared  buffers  cached
Mem:    -4 3047456 -3047460     0      0 2453204
-/+ buffers/cache: 594252 -594256
Swap:    0      0      0
```

free -g:"

```
      total    used    free  shared  buffers  cached
Mem:    4095      2    4093     0      0      2
-/+ buffers/cache: 0 4095
Swap:    0      0      0
```

So how do I reconcile this and why are the numbers I am getting so wonky? In essence, which source do I trust?

Thanks,
--b
