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