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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

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