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Subject: ENOMEM errors

Posted by [pzttilde](#) on Sat, 07 Jun 2008 06:47:12 GMT

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Hey there, inside my machines I've been getting ENOMEM errors and I'm not quite sure how to handle it. The machine's 'host' has 8G of memory of which it caches everything but what is used at that point as soon as I start any container. Not sure if this behavior is intended or faulty. Inside the container only 256M seems to be available.

It's an Ubuntu Hardy install;

Linux merlin.\*\*\* 2.6.24-19-openvz #1 SMP Thu Jun 5 13:07:13 CEST 2008 x86\_64 GNU/Linux

This is the host:

```
# free -m
```

	total	used	free	shared	buffers	cached
Mem:	7981	7933	47	0	0	5850
-/+ buffers/cache:		2083	5897			
Swap:	22888	0	22888			

Inside container (the only one running at this point):

```
# free -m
```

	total	used	free	shared	buffers	cached
Mem:	256	60	195	0	0	0

```
# cat /proc/user_beancounters | grep privv
```

privvmpages	15638	200464	73728	80362
486040				

```
# sysctl -a | grep overcommit
```

```
vm.overcommit_memory = 0
```

```
vm.overcommit_ratio = 50
```

```
vm.nr_overcommit_hugepages = 0
```

```
# ulimit -a
```

```
core file size      (blocks, -c) 0
data seg size      (kbytes, -d) unlimited
scheduling priority (-e) 0
file size          (blocks, -f) unlimited
pending signals    (-i) 71680
max locked memory  (kbytes, -l) 32
max memory size    (kbytes, -m) unlimited
open files         (-n) 1024
pipe size          (512 bytes, -p) 8
POSIX message queues (bytes, -q) 819200
real-time priority (-r) 0
stack size         (kbytes, -s) 8192
```

cpu time (seconds, -t) unlimited  
max user processes (-u) 71680  
virtual memory (kbytes, -v) unlimited  
file locks (-x) unlimited

Feel like I'm just doing something essential wrong or that I've stumbled upon a bug. Any advice would be appreciated.