
Subject: Re: HN beancounters and system memory.
Posted by [glic3rinu](#) on Wed, 27 Jan 2010 09:41:42 GMT
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I'm getting more and more confused

Executing 'free -m' in all containers..

HN# for i in 103 105 106 107; do vzctl exec \$i "free -m"; done

```
vid  total used  free shared buffers cached
103: 4000 2797 1202 0    0    0
105: 1536 839  696  0    0    0
106: 1536 416  1119 0    0    0
107: 12000 8480 3519 0    0    0
```

12532

*Note: I cut some irrelevant information for better view

Comparing with executing free in the HN...

HN# free -m

```
          total used free shared buffers cached
Mem:      12008 8299 3708 0    288  4231
-/+ buffers/cache: 3779 8229
Swap:      8575 0  8575
```

How is possible that the container with vid 107 have more memory (8480MB) than the reported by command free in the HN (8299MB)? (Note: swap usage=0)

vzmemcheck reports something similar:

```
# vzmemcheck -vA
Output values in Mbytes
veid LowMem RAM  MemSwap Alloc
util util  util  util
107 1219.66 3436.54 3436.54 8899.95
114 0.02  0.02  0.02  0.02
103 14.31  986.88 986.88 2811.73
105 7.77  600.83 600.83 849.09
106 9.02  223.00 223.00 449.64
```

Sum: 1250.77 5247.26 5247.27 13010.42

*Note: I cut some irrelevant information for better view

HN# free -m

```
          total used free shared buffers cached
```

Mem: 12008 8643 3364 0 316 4491
-/+ buffers/cache: 3835 8172
Swap: 8575 0 8575

The total memory used by containers (without caches) (5247.26MB) are higher than the total system memory (without caches) (3835MB).

What am I missing?

I appreciate any comment!

Thanks!
