
Subject: Some confusing about "Alloc commit" in vzmemcheck

Posted by [yangshen](#) on Sun, 07 Oct 2012 22:57:05 GMT

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Hi Guys,

There is a confusing in my mind about "Alloc commit". Below "vzmemcheck" is showing my "Alloc commit" level is too high. But my server(64bit) has 250G RAM. Based on the formula given at "wiki.openvz.org/UBC_systemwide_configuration#Allocated_memory", I couldn't get the "1.72" anyway. How is the divisor of "RAM size + swap size" calculated here?

If using the 1.72 (Alloc commit) and 4.87(Alloc limit) to do a calculation, it seems 1G RAM size (32bit limit) is still using here as the divisor.

Any idea? Thanks in advance.

CTID	LowMem util	LowMem commit	LowMem util	RAM util	MemSwap commit	MemSwap util	MemSwap commit	Alloc limit	Alloc	Alloc
100000	0.10	0.35	0.61	0.14	2.51	0.94	1.72	4.87		

Below is got from "vzubc -r -i"

```
CT 100000 | HELD +/- Bar% Lim%| MAXH Bar% Lim%| BAR | LIM |+FAIL
-----+-----+-----+-----+-----+-----
 kmemsize|91.7M +21.5M 30% 26%| 182M 60% 52%| 300M| 350M| -
 lockedpages| - - - | 32K 0.8% 0.8%| 4M| 4M| -
 privvmpages|1.88G +801M 18% 15%|5.77G 57% 48%| 10G| 12G| -
 shmpages|676K 0.5% 0.5%|10.7M 8% 8%| 128M| 128M| -
 numproc| 84 +29 29% 29%| 274 95% 95%| 288 | 288 | -
 physpages|1.49G +139M - -|2.77G - -| - | - | -
 vmguarpages| - - - | - - - | 4G| - | -
 oomguarpages| 335M +116M 5% -|1.17G 19% -| 6G| - | -
 numtcpsock| 102 +44 12% 12%| 781 97% 97%| 800 | 800 | -
 numflock| 3 3% 2%| 12 12% 10%| 100 | 110 | -
 numpty| - - - | 4 12% 12%| 32 | 32 | -
 numsiginfo| - - - | 210 82% 82%| 256 | 256 | -
 tcpsndbuf| 538K +23.5K 13% 8%|4.09M 102% 68%| 4M| 6M| -
 tcprcvbuf| 633K +17.3K 12% 8%| 1.4M 28% 20%| 5M| 7M| -
 othersockbuf|11.3K 1% 0.6%| 280K 27% 13%| 1M| 2M| -
 dgramrcvbuf| - - - | 255K 100% 100%| 256K| 256K| -
 numothersock| 50 19% 19%| 58 22% 22%| 256 | 256 | -
 dcachesize|38.6M +26.7K 60% 53%|43.1M 67% 59%| 64M| 72M| -
 numfile| 728 +120 11% 11%|1.54K 25% 25%| 6K| 6K| -
 numiptent| 49 19% 19%| 49 19% 19%| 256 | 256 | -
 swappages| - - - | - - - | - | - | -
```

Yang
