
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	RAM util	MemSwap commit	MemSwap util	Alloc commit	Alloc limit	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

	+/-	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	-				
numpyt	-	-	-	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
