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Subject: Re: Java: Could not reserve enough space for object heap

Posted by [locutius](#) on Mon, 27 Aug 2007 00:20:30 GMT

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-bash-3.00# cat /proc/user\_beancounters

Version: 2.5

uid resource	held	maxheld	barrier	limit	failcnt	
104: kmemsize	3943800	4160542	9753527	9752512		0
lockedpages	0	0	32	32	0	
privvmpages	23222	38193	69152	73575		2
shmpages	2441	3417	8192	8192	0	
dummy	0	0	0	0	0	
numproc	53	58	256	256	0	
physpages	14000	16202	0	2147483647		0
vmguarpages	0	0	6144	2147483647	0	
oomguarpages	14004	16202	6144	2147483647		0
numtcpsock	8	12	80	80	0	
numflock	4	10	100	110	0	
numpty	1	1	16	16	0	
numsiginfo	0	3	256	256	0	
tcpsndbuf	0	24508	319488	524288		0
tcprcvbuf	0	10116	319488	524288		0
othersockbuf	22280	27124	132096	336896		0
dgramrcvbuf	0	2228	132096	132096		0
numothersock	15	21	80	80	0	
dcachesize	237062	270354	1048576	1097728		0
numfile	3239	3501	4086	4086	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
numiptent	10	10	128	128	0	

privvmpages is the amount of memory than can be allocated by processes, it does not account memory use

vmguarpages is the memory guaranteed for use, and it is woefully low at 6144 (looks like the default config for pong)

oomguarpages is accounting the actual memory use and you can see it far exceeds vmguarpages

guys plz read up in the wiki on /proc/user\_beancounters

AND WARNING! dont take the default config and try to adjust it up for a Java machine because there is zero match to your hardware. use vzsplitt 8 or 16 or more ways to discover your hardware

capabilities

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