
Subject: OOM killed process, although there is enough memory
Posted by [Roman Haefeli](#) on Wed, 10 Oct 2012 16:25:48 GMT
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Hi all

We're having issues with processes in a container being killed by OOM, although the hostnode does not have even half of its memory used. How can it be that there is a failcnt for oomguarpages, although the barrier wasn't even reached?

This is on Debian Squeeze with the OpenVZ Kernel shipped by Debian.

uname -r
2.6.32-5-openvz-amd64

from dmesg:

[498530.406463] OOM killed process java (pid=4143, ve=2018) exited, free=11882227 gen=17.

from /proc/user_beancounters

uid	resource	held	maxheld	barrier	limit	failcnt
2018:	kmemsize	12790390	34388183	34379782		38379782
1255	lockedpages	0	239	1024	1200	6
	privvmpages	416902	1559453	2097152		
9223372036854775807	shmpages	0				
	shmpages	7929	8954	21504	21504	
0	dummy	0	0	0	0	0
	numproc	184	372	1000	1200	0
	physpages	71964	529494	0	9223372036854775807	
0	vmguarpages	0	0	2097152	9223372036854775807	
0	oomguarpages	71964	529494	2097152		
9223372036854775807	numtcpsock	43	117	360	360	0
	numflock	7	29	188	206	0
	numpty	0	1	16	16	0
	numsiginfo	0	7	256	256	0
	tcpsndbuf	213904	955224	1720320	2703360	
0	tcprcvbuf	212992	282952	1720320	2703360	
0						

0	othersockbuf	18496	43600	1126080	2097152	
	dgramrcvbuf	0	4360	262144	262144	0
	numothersock	214	253	360	360	0
	dcachesize	611724	1746754	3409920	3624960	
0	numfile	3745	7966	9312	9312	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

Roman
