
Subject: Re: 0:tcpsndbuf running full [was: Could NPTL cause problems?]

Posted by [mephisto](#) on Fri, 07 Apr 2006 16:57:36 GMT

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OK, I narrowed it down. First of all I'm still unable to use i2o_block, but that's also the case for vanilla kernels, so I gave it up for now.

More importantly I was finally able to diagnose my crashes. I watched the host closely while it was under heavy network load (samba mostly and some rsync). When the errors appeared (network connection very slow, until the host is unreachable). I checked /proc/user_beancounters and found this:

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
0:	kmemsize	5500576	9732444	2147483647	2147483647	0
	lockedpages	1027	1027	2147483647	2147483647	0
	privvmpages	19654	53732	2147483647	2147483647	0
	shmpages	1326	1345	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	numproc	64	153	2147483647	2147483647	0
	physpages	5236	16629	2147483647	2147483647	0
	vmguarpages	0	0	2147483647	2147483647	0
	oomguarpages	5280	16673	2147483647	2147483647	0
	numtcpsock	23	109	2147483647	2147483647	0
	numflock	66	569	2147483647	2147483647	0
	numpty	2	2	2147483647	2147483647	0
	numsiginfo	0	69	2147483647	2147483647	0
	tcpsndbuf	2147163432	2147486264	2147483647	2147483647	2898
	tcprcvbuf	13112	843416	2147483647	2147483647	0
	othersockbuf	44320	2678104	2147483647	2147483647	0
	dgramrcvbuf	0	26960	2147483647	2147483647	0
	numothersock	34	50	2147483647	2147483647	0
	dcachesize	3643446	4167100	2147483647	2147483647	0
	numfile	535	2536	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	dummy	0	0	2147483647	2147483647	0
	numiptent	0	0	2147483647	2147483647	0
101:	kmemsize	5550088	5980112	105495756	116045331	0
	lockedpages	0	0	5151	5151	0
	privvmpages	311785	386062	2147483647	2147483647	0
	shmpages	2655	3295	7726	7726	0
	dummy	0	0	0	0	0
	numproc	163	178	8000	8000	0
	physpages	66399	67751	0	2147483647	0
	vmguarpages	0	0	77267	2147483647	0
	oomguarpages	66399	67751	200000	2147483647	0
	numtcpsock	20	31	8000	8000	0
	numflock	14	21	1000	1100	0

numpty	0	1	512	512	0	
numsiginfo	0	3	1024	1024	0	
tcpsndbuf	3239936	3333776	23792300	35147230	0	
tcprcvbuf	1192	159528	2397252	35165252	0	
othersockbuf	28128	85104	20480000	2147483647	0	
dgramrcvbuf	0	243168	1198626	1198626	0	
numothersock	24	53	8000	8000	0	
dcachesize	402711	456183	23031052	23721984	0	
numfile	3530	4337	41184	41184	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
dummy	0	0	0	0	0	
numiptent	0	0	200	200	0	

So the host's tcpsndbuf is running full. I should mention that I moved eth1 to the vps with NETDEV="eth1". This is the major configuration difference to my test system that runs fine with a venet0 interface.

The error also occurred without the vps loaded and traffic occurring just on the not virtualized eth0 interface. I've seen the error with 2.6.15-025stab014 and 2.6.16-026stab007. Do you need any more information?
