
Subject: load spikes to 150-290 on HN

Posted by [sara3](#) on Fri, 07 Mar 2008 11:52:12 GMT

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Hello

i have sudden unexplained load spikes on the hardware node

here is my bean counters

cat /proc/user_beancounters

Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
136:	kmemsize	5838686	10451272	2147483647	2147483647	0
	lockedpages	0	0	2147483647	2147483647	0
	privvmpages	94335	120403	2147483647	2147483647	0
	shmpages	219	731	2147483647	2147483647	0
	dummy	0	0	0	0	
	numproc	62	134	267	268	0
	physpages	29767	48439	0	2147483647	0
	vmguarpages	0	0	6144	2147483647	0
	oomguarpages	43634	53789	6144	2147483647	0
	numtcpsock	28	66	2147483647	2147483647	0
	numflock	6	13	2147483647	2147483647	0
	numpty	0	0	255	255	0
	numsiginfo	5	22	1024	1024	0
	tcpsndbuf	274256	926936	2147483647	2147483647	0
	tcprcvbuf	458752	696492	2147483647	2147483647	0
	othersockbuf	17760	605356	2147483647	2147483647	0
	dgramrcvbuf	0	11960	47483647	147483647	0
	numothersock	18	49	2147483647	2147483647	0
	dcachesize	852338	900178	2147483647	2147483647	0
	numfile	2982	4502	2147483647	2147483647	0
	dummy	0	0	0	0	
	dummy	0	0	0	0	
	dummy	0	0	0	0	
	numiptent	398	400	400	400	245
138:	kmemsize	6259105	21805746	2147483647	2147483647	0
	lockedpages	0	0	2147483647	2147483647	0
	privvmpages	62541	240161	2147483647	2147483647	0
	shmpages	14	14	2147483647	2147483647	0
	dummy	0	0	0	0	
	numproc	74	328	32567	32567	0
	physpages	14785	121721	0	2147483647	0
	vmguarpages	0	0	6144	2147483647	0
	oomguarpages	22566	122026	6144	2147483647	0
	numtcpsock	38	228	2147483647	2147483647	0
	numflock	10	95	2147483647	2147483647	0
	numpty	0	1	255	255	0
	numsiginfo	0	150	1024	1024	0

tcpsndbuf	459540	2982872	2147483647	2147483647	0
tcprcvbuf	622592	3777732	2147483647	2147483647	0
othersockbuf	13320	1177960	2147483647	2147483647	0
dgramrcvbuf	0	82080	47483647	147483647	0
numothersock	16	281	2147483647	2147483647	0
dcachesize	375978	592910	2147483647	2147483647	0
numfile	2995	7685	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	33	400	400	0
144: kmemsize	7330763	39453623	182802841	201083125	0
lockedpages	0	0	8925	8925	0
privvmpages	40093	654747	305911	336502	33610
shmpages	149	805	30591	30591	0
dummy	0	0	0	0	0
numproc	82	485	8000	8000	0
physpages	19434	228719	0	2147483647	0
vmguarpages	0	0	305911	2147483647	0
oomguarpages	19509	232475	305911	2147483647	0
numtcpsock	103	298	8000	8000	0
numflock	56	377	1000	1100	0
numpty	0	1	512	512	0
numsiginfo	11	387	1024	1024	0
tcpsndbuf	959040	3285600	28166280	60934280	0
tcprcvbuf	1303748	3583756	28166280	60934280	0
othersockbuf	2220	2862648	14083140	46851140	0
dgramrcvbuf	0	10416	14083140	14083140	0
numothersock	2	342	8000	8000	0
dcachesize	279314	1100958	39924069	41121792	0
numfile	2461	14010	71392	71392	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	48	200	200	0
137: kmemsize	2233967	6569195	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	24608	41516	2147483647	2147483647	0
shmpages	0	0	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	22	76	32567	32567	0
physpages	4661	21212	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	11166	23002	6144	2147483647	0
numtcpsock	9	34	2147483647	2147483647	0
numflock	6	63	2147483647	2147483647	0
numpty	0	1	255	255	0
numsiginfo	0	3	1024	1024	0

tcpsndbuf	91020	435120	2147483647	2147483647	0
tcprcvbuf	147456	0	2147483647	2147483647	0
othersockbuf	17760	73944	2147483647	2147483647	0
dgramrcvbuf	0	26640	47483647	147483647	0
numothersock	12	38	2147483647	2147483647	0
dcachesize	110152	196700	2147483647	2147483647	0
numfile	1372	2894	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	14	14	400	400	0
139: kmemsize	4940371	13141172	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	54594	138526	2147483647	2147483647	0
shmpages	223	2159	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	65	177	32567	32567	0
physpages	9785	75007	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	19144	75041	6144	2147483647	0
numtcpsock	29	116	2147483647	2147483647	0
numflock	8	12	2147483647	2147483647	0
numpty	0	5	255	255	0
numsiginfo	0	94	1024	1024	0
tcpsndbuf	404040	2069040	2147483647	2147483647	0
tcprcvbuf	475136	2457580	2147483647	2147483647	0
othersockbuf	39532	223184	2147483647	2147483647	0
dgramrcvbuf	0	26640	47483647	147483647	0
numothersock	30	77	2147483647	2147483647	0
dcachesize	381036	486200	2147483647	2147483647	0
numfile	2436	3530	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	33	400	400	0
149: kmemsize	3370556	3984508	30138368	33152204	0
lockedpages	0	0	1471	1471	0
privvmpages	40001	46809	466667	513333	0
shmpages	91	91	46666	46666	0
dummy	0	0	0	0	0
numproc	51	62	1333	1333	0
physpages	6945	16235	0	2147483647	0
vmguarpages	0	0	466667	2147483647	0
oomguarpages	10555	16235	466667	2147483647	0
numtcpsock	23	32	1333	1333	0
numflock	8	10	1000	1100	0
numpty	0	0	133	133	0
numsiginfo	0	19	1024	1024	0

tcpsndbuf	204240	248804	4586154	10046122	0
tcprcvbuf	376832	567828	4586154	10046122	0
othersockbuf	11100	18276	2293077	7753045	0
dgramrcvbuf	0	8364	2293077	2293077	0
numothersock	18	24	1333	1333	0
dcachesize	183774	212436	6567518	6764544	0
numfile	1355	1579	11744	11744	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	33	200	200	0
148: kmemsize	2212756	5026269	182802841	201083125	0
lockedpages	0	0	8925	8925	0
privvmpages	29877	71793	393216	393216	0
shmpages	4236	4908	30591	30591	0
dummy	0	0	0	0	0
numproc	24	65	8000	8000	0
physpages	3805	41844	0	2147483647	0
vmguarpages	0	0	305911	2147483647	0
oomguarpages	6560	41844	305911	2147483647	0
numtcpsock	21	30	8000	8000	0
numflock	0	9	1000	1100	0
numpty	0	0	512	512	0
numsiginfo	0	25	1024	1024	0
tcpsndbuf	194844	265368	28166280	60934280	0
tcprcvbuf	344064	575848	28166280	60934280	0
othersockbuf	13320	23156	14083140	46851140	0
dgramrcvbuf	0	11960	14083140	14083140	0
numothersock	9	22	8000	8000	0
dcachesize	184968	304112	39924069	41121792	0
numfile	912	1844	71392	71392	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	33	200	200	0
146: kmemsize	10587662	19536296	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	114635	196626	2147483647	2147483647	0
shmpages	4108	12300	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	117	219	32567	32567	0
physpages	40653	148380	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	58506	148902	6144	2147483647	0
numtcpsock	97	139	2147483647	2147483647	0
numflock	9	22	2147483647	2147483647	0
numpty	0	1	255	255	0
numsiginfo	0	105	1024	1024	0

tcpsndbuf	1813912	2567516	2147483647	2147483647	0
tcprcvbuf	1589248	2033836	2147483647	2147483647	0
othersockbuf	50108	1550580	2147483647	2147483647	0
dgramrcvbuf	0	140904	47483647	147483647	0
numothersock	55	122	2147483647	2147483647	0
dcachesize	490836	592136	2147483647	2147483647	0
numfile	4485	6236	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	50	66	400	400	0
145: kmemsize	6381252	14681982	2147483647	2147483647	0
lockedpages	0	2	2147483647	2147483647	0
privvmpages	76249	161947	2147483647	2147483647	0
shmpages	142	798	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	80	172	32567	32567	0
physpages	29268	76630	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	36749	83947	6144	2147483647	0
numtcpsock	47	134	2147483647	2147483647	0
numflock	9	27	2147483647	2147483647	0
numpty	0	1	255	255	0
numsiginfo	0	78	1024	1024	0
tcpsndbuf	717060	2020200	2147483647	2147483647	0
tcprcvbuf	770048	1405960	2147483647	2147483647	0
othersockbuf	17760	677572	2147483647	2147483647	0
dgramrcvbuf	0	27360	47483647	147483647	0
numothersock	26	98	2147483647	2147483647	0
dcachesize	351320	441942	2147483647	2147483647	0
numfile	2535	4124	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	49	97	400	400	0
143: kmemsize	4726414	9096118	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	56878	122330	2147483647	2147483647	0
shmpages	219	555	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	63	150	32567	32567	0
physpages	16626	69353	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	20916	74471	6144	2147483647	0
numtcpsock	37	75	2147483647	2147483647	0
numflock	8	40	2147483647	2147483647	0
numpty	0	1	255	255	0
numsiginfo	0	53	1024	1024	0

tcpsndbuf	610500	943500	2147483647	2147483647	0
tcprcvbuf	606208	969064	2147483647	2147483647	0
othersockbuf	17760	519592	2147483647	2147483647	0
dgramrcvbuf	0	16736	47483647	147483647	0
numothersock	17	117	2147483647	2147483647	0
dcachesize	172534	233792	2147483647	2147483647	0
numfile	2074	3572	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	99	99	400	400	0
142: kmemsize	9923301	13876884	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	70267	110804	2147483647	2147483647	0
shmpages	145	1441	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	97	136	32567	32567	0
physpages	23546	70348	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	37308	70352	6144	2147483647	0
numtcpsock	55	95	2147483647	2147483647	0
numflock	6	12	2147483647	2147483647	0
numpty	0	2	255	255	0
numsiginfo	10	78	1024	1024	0
tcpsndbuf	632700	1445220	2147483647	2147483647	0
tcprcvbuf	901120	1295368	2147483647	2147483647	0
othersockbuf	28860	1077608	2147483647	2147483647	0
dgramrcvbuf	0	62192	47483647	147483647	0
numothersock	27	47	2147483647	2147483647	0
dcachesize	952590	985186	2147483647	2147483647	0
numfile	9084	9292	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	60	60	400	400	0
116: kmemsize	4977804	7061303	2147483647	2147483647	0
lockedpages	0	1	2147483647	2147483647	0
privvmpages	73187	86155	2147483647	2147483647	0
shmpages	14	686	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	67	103	32567	32567	0
physpages	18179	43271	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	32642	43271	6144	2147483647	0
numtcpsock	25	48	2147483647	2147483647	0
numflock	9	15	2147483647	2147483647	0
numpty	0	0	255	255	0
numsiginfo	0	21	1024	1024	0

tcpsndbuf	222000	561660	2147483647	2147483647	0
tcprcvbuf	409600	581804	2147483647	2147483647	0
othersockbuf	26212	407320	2147483647	2147483647	0
dgramrcvbuf	0	4440	47483647	147483647	0
numothersock	26	40	2147483647	2147483647	0
dcachesize	153988	202882	2147483647	2147483647	0
numfile	2314	3659	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	84	84	400	400	0
111: kmemsize	2546173	3604579	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	39615	51096	2147483647	2147483647	0
shmpages	91	763	2147483647	2147483647	0
dummy	0	0	0	0	0
numproc	36	60	32567	32567	0
physpages	5971	16769	0	2147483647	0
vmguarpages	0	0	6144	2147483647	0
oomguarpages	8934	16824	6144	2147483647	0
numtcpsock	23	31	2147483647	2147483647	0
numflock	3	9	2147483647	2147483647	0
numpty	0	1	255	255	0
numsiginfo	0	13	1024	1024	0
tcpsndbuf	204240	256488	2147483647	2147483647	0
tcprcvbuf	376832	484188	2147483647	2147483647	0
othersockbuf	13320	20068	2147483647	2147483647	0
dgramrcvbuf	0	17080	47483647	147483647	0
numothersock	11	23	2147483647	2147483647	0
dcachesize	95540	114086	2147483647	2147483647	0
numfile	1275	1638	2147483647	2147483647	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
dummy	0	0	0	0	0
numiptent	33	33	400	400	0
0: kmemsize	35002855	81718407	2147483647	2147483647	0
lockedpages	0	0	2147483647	2147483647	0
privvmpages	415751	643657	2147483647	2147483647	0
shmpages	1007	2303	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
numproc	452	983	2147483647	2147483647	0
physpages	52369	189876	2147483647	2147483647	0
vmguarpages	0	0	2147483647	2147483647	0
oomguarpages	83380	193903	2147483647	2147483647	0
numtcpsock	79	205	2147483647	2147483647	0
numflock	64	369	2147483647	2147483647	0
numpty	5	10	2147483647	2147483647	0
numsiginfo	6	33	2147483647	2147483647	0

tcpsndbuf	1117480	4311312	2147483647	2147483647	0
tcprcvbuf	1296556	3089424	2147483647	2147483647	0
othersockbuf	57292	1416616	2147483647	2147483647	0
dgramrcvbuf	2220	279072	2147483647	2147483647	0
numothersock	84	690	2147483647	2147483647	0
dcachesize	2841890	3957322	2147483647	2147483647	0
numfile	23701	30977	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
dummy	0	0	2147483647	2147483647	0
numiptent	902	1772	2147483647	2147483647	0

uname -a

Linux xxxx.xxyyyyyy.com 2.6.18-ovz028stab053.5-enterprise #1 SMP Wed Feb 13 14:33:25 MSK
2008 i686 i686 i386 GNU/Linux

when i do vzlist

can i do something to prevent one VE from overloading the HN or an i tweak settings of my VEs to
prevent this

thanks for your help