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Subject: Re: HN hangs with no reason. Memory shortage?

Posted by [piplite](#) on Tue, 01 Dec 2009 20:32:36 GMT

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Im getting to this question again as im confused. I have the following

What parameter am i missing and overselling here?

# vzmemcheck -v

Output values in %

veid	LowMem util	LowMem commit	LowMem util	RAM util	MemSwap commit	MemSwap util	MemSwap commit	MemSwap limit	Alloc	Alloc	Alloc
36789	0.26	23.22	0.07	0.04	1.76	0.06	1.76	4.15			
36787	0.37	23.22	0.33	0.21	1.76	1.04	1.76	4.15			
36786	0.27	23.22	0.06	0.04	1.76	0.06	1.76	4.15			
36785	0.43	23.22	0.31	0.19	1.76	0.47	1.76	4.15			
36784	0.56	29.16	0.27	0.17	3.60	0.59	3.60	10.75			
36783	0.30	23.22	0.12	0.08	1.76	0.10	1.76	4.15			
36782	0.87	38.65	0.62	0.39	4.79	1.40	4.79	14.32			
36781	0.24	26.78	0.06	0.04	2.71	0.05	2.71	7.47			
36780	0.46	26.78	0.48	0.30	2.71	1.07	2.71	7.47			
36779	0.72	29.16	1.05	0.66	3.60	1.01	3.60	10.75			
36778	0.21	38.65	0.06	0.04	4.79	0.06	4.79	14.32			
36762	0.40	23.22	0.26	0.16	1.76	0.20	1.76	4.15			
36758	0.21	23.22	0.05	0.03	1.76	0.04	1.76	4.15			
36720	1.37	23.22	0.87	0.55	1.76	0.89	1.76	4.15			
36672	0.57	23.22	0.51	0.32	1.76	0.49	1.76	4.15			
36641	1.57	38.65	1.64	1.03	6.58	1.86	6.58	21.46			
36639	0.70	25.60	0.57	0.36	2.26	1.67	2.26	5.83			
6710	1.23	140.78	0.19	0.12	6.68	0.30	6.68	9.06			
6580	0.24	144.34	0.06	0.04	7.62	0.05	7.62	12.38			
6380	0.95	144.34	0.82	0.51	7.62	0.78	7.62	12.38			
4300	0.30	135.56	0.29	0.18	6.86	0.32	6.86	10.43			
3590	1.41	144.34	0.69	0.43	7.62	0.72	7.62	12.38			
1470	0.31	473.10	0.12	0.08	26.13	0.09	26.13	45.18			
1010	0.81	133.18	0.35	0.22	6.36	0.39	6.36	8.74			
900	0.21	144.34	0.05	0.03	7.62	0.04	7.62	12.38			
430	1.19	141.97	0.59	0.37	6.93	0.86	6.93	9.90			
340	1.42	144.34	1.23	0.77	7.62	1.08	7.62	12.38			

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Summary: 17.60 2208.72 11.72 7.36 137.97 15.71 137.97 274.91

On a server i have 27 vps running with config files like this:

64Mb vps:

# UBC parameters (in form of barrier:limit)

KMEMSIZE="67108864:67108864"

LOCKEDPAGES="256:256"

PRIVVMPAGES="32768:65536"

SHMPAGES="21504:21504"

NUMPROC="192:192"  
PHYS\_PAGES="0:2147483647"  
VMGUAR\_PAGES="16384:16384"  
OOMGUAR\_PAGES="16384:16384"  
NUMTCPSOCK="1536:1536"  
NUMFLOCK="188:206"  
NUMPTY="16:16"  
NUMSIGINFO="256:256"  
TCPSNDBUF="6291456:6291456"  
TCPRCVBUF="6291456:6291456"  
OTHERSOCKBUF="1126080:2097152"  
DGRAMRCVBUF="262144:262144"  
NUMOTHERSOCK="1536:1536"  
DCACHE\_SIZE="3409920:3624960"  
NUMFILE="1536:1536"  
AVNUMPROC="180:180"  
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)

DISKSPACE="3072000:3072000"  
DISKINODES="384000:384000"  
QUOTATIME="0"

# CPU fair sheduler parameter

CPUUNITS="1000"

VE\_ROOT="/vz/root/\$VEID"  
VE\_PRIVATE="/vps/\$VEID"  
OSTEMPLATE="fedora-10-i386-default"  
ORIGIN\_SAMPLE="vps.basic"  
QUOTAUGIDLIMIT="2048"  
CPULIMIT="10"  
CPUS="1"  
MEMINFO="pages:16384"

128 vps:

# UBC parameters (in form of barrier:limit)

KMEMSIZE="67108864:67108864"  
LOCKEDPAGES="256:256"  
PRIVVMPAGES="98304:131072"  
SHMPAGES="21504:21504"  
NUMPROC="512:512"  
PHYS\_PAGES="0:2147483647"  
VMGUAR\_PAGES="32768:32768"  
OOMGUAR\_PAGES="32768:32768"  
NUMTCPSOCK="3072:3072"

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NUMFLOCK="188:206"
NUMPTY="16:16"
NUMSIGINFO="256:256"
TCPSNDBUF="12582912:12582912"
TCPRCVBUF="12582912:12582912"
OTHERSOCKBUF="1126080:2097152"
DGRAMRCVBUF="262144:262144"
NUMOTHERSOCK="3072:3072"
DCACHESIZE="3409920:3624960"
NUMFILE="3072:3072"
AVNUMPROC="180:180"
NUMIPTENT="128:128"

# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="4608000:4608000"
DISKINODES="576000:576000"
QUOTATIME="0"

# CPU fair sheduler parameter
CPUUNITS="1000"

VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vps/$VEID"
OSTEMPLATE="debian-5.0.3-i386-minimal"
ORIGIN_SAMPLE="vps.basic"
QUOTAUGIDLIMIT="2048"
CPULIMIT="20"
CPUS="1"
MEMINFO="pages:32768"
```

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