Subject: Re: why buffers cached is always 0 in VPS/VE?
Posted by tukey on Tue, 09 Sep 2008 02:50:58 GMT

finist wrote on Mon, 08 September 2008 14:40Hi!

'free' takes info from /proc/meminfo file generated by kernel.
Surely /proc/meminfo inside a Container provides some virtual information, some of values are not vistualized there, for example Buffers and Cached are always reported zero.

vzctl exec 690 cat /proc/meminfo |egrep "^Cached|Buffers"
Buffers: 0 kB
Cached: 0 kB

But why do you ask? Just a curiosity or some software suffers from that?

Thanks,
  Konstantin

Hi, Konstantin

Thank you for your reply. I understand what you meant about /proc/meminfo.
I do suffer from memory insufficiency.
When I run tomcat and mysql, there is always an memory insufficiency error in my VE, which has 384MB total memory.

But when I do the same thing in another HardNode (it has no VEs),
which has the same memory (no swap), there is no error occurs.

I compared my VE and the HardNode via "free", the only difference is "buffers" and "cached".

you see, if "buffers" and "cached" is unavailable, it actually needs more memory for running applications, right?
Is there any solution?

ps. My settings of my VE is :
KMEMSIZE="11055923:11377049"
LOCKEDPAGES="256:256"
PRIVVMPAGES="96768:96968"
SHMPAGES="21504:21504"
NUMPROC="240:240"
PHYSPAGES="0:2147483647"
VMGUARPAGES="65536:2147483647"
OOMGUARPAGES="65536:2147483647"
NUMTCPSOCK="360:360"
NUMFLOCK="188:206"
NUMPTY="16:16"

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NUMSIGINFO="256:256"
TCPSNDBUF="1720320:2703360"
TCPRCVBUF="1720320:2703360"
OTHERSOCKBUF="1126080:2097152"
DGRAMRCVBUF="262144:262144"
NUMOTHERSOCK="360:360"
NUMFILE="9312:9312"
DCACHESIZE="3409920:3624960"
NUMIPTENT="128:128"
AVNUMPROC="180:180"
CPUUNITS="1000"
ONBOOT="yes"
ORIGIN_SAMPLE="vps.basic"
DISKSPACE="10485760:11530240"
DISKINODES="2000000:2200000"
QUOTATIME="0"
OSTEMPLATE="slackware-12.0-i386-minimal"
IP_ADDRESS="192.168.1.202"
```