
Subject: vzbuc, memory, and buffers

Posted by [Keith Keller](#) on Thu, 05 Jul 2012 18:05:11 GMT

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Hi again users,

I wanted to ask a quick question about the vzbuc utility and buffers inside a container. I have a container which has a lot of disk buffers currently being stored in memory:

\$ free

	total	used	free	shared	buffers	cached
Mem:	4194304	4116528	77776	0	0	3591588
-/+ buffers/cache:	524940	3669364				
Swap:	524288	0	524288			

This is IME a perfectly normal and acceptable situation (and the container is behaving normally).

However, vzbuc thinks that this is a warning situation:

vzbuc -q -r

```
-----
CT 1018    | HELD Bar% Lim%| MAXH Bar% Lim%| BAR | LIM |+FAIL
-----+-----+-----+-----+-----
physpages|3.93G - 98%| 4G - 100%| - | 4G| -
-----
```

What do people normally do in this situation? Would you simply ignore warnings on physpages, or actively check the free buffers situation in that CT?

In what might be a related question, I saw that vzcfgvalidate reports a somewhat strange error in this CT:

```
# vzcfgvalidate 1018.conf
Warning: swappages.lim should be <= 0 (currently, 131072)
# grep SWAP 1018.conf
SWAPPAGES="0:512M"
```

But isn't swappages.lim set to 512M here? And why should it be set to less than or equal to 0? And why does vzcfgvalidate think it's some number not 0 or 512M?

If it's helpful, here's my list of packages (this is a CentOS 6 box):

vzctl.x86_64 3.3-1 @openvz-utils

vzctl-lib.x86_64 3.3-1 @openvz-utils
vzkernel.x86_64 2.6.32-042stab055.10 @openvz-kernel-rhel6
vzkernel-firmware.noarch 2.6.32-042stab055.10 @openvz-kernel-rhel6
vzquota.x86_64 3.0.12-1 @openvz-utils

And kernel (yes, I know it is not the latest):

```
# uname -a
```

```
Linux xxxxxxxxxx 2.6.32-042stab055.10 #1 SMP Thu May 10 15:38:32 MSD 2012 x86_64 x86_64  
x86_64 GNU/Linux
```

Thanks for any advice you have!

--keith

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kkeller@wombat.san-francisco.ca.us
