
Subject: vzctl set changes configuration on the fly?
Posted by [pva0xd](#) on Tue, 01 Apr 2008 14:27:18 GMT
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Well, I thought that this question was asked many times but I failed to dig answer on this forum...

Whenever VE parameters of running container are changed with vzctl set vied they are supposed to be changed on-fly, and /proc/user_beancounters shows me new values immediately. But inside VE I do not see any changes... Look at this session where I try to change privvmpages without restarting container:

First this are initial values:

```
vz ~ # grep privvmpages /proc/bc/101/resources
      privvmpages      36082      49989      192000      204800
0
vz ~ # vzctl enter 101
entered into VE 101
cacti / # egrep 'Mem(Total|Free)' /proc/meminfo
MemTotal:    768000 kB
MemFree:     621476 kB
cacti / # logout
exited from VE 101
```

Now if values are changed with vzctl I see changes inside /proc/bc, but there are no changes inside VE:

```
vz ~ # vzctl set 101 --privvmpages 250M:300M
UB limits were set succesefully
WARNING: Settings were not saved and will be resetted to original values on next start (use
--save flag)
vz ~ # grep privvmpages /proc/bc/101/resources
      privvmpages      36529      49989      64000      76800
0
vz ~ # vzctl enter 101
entered into VE 101
cacti / # egrep 'Mem(Total|Free)' /proc/meminfo
MemTotal:    768000 kB
MemFree:     619696 kB
cacti / # free
      total    used    free    shared    buffers    cached
Mem:    768000  148336  619664    0        0        0
-/+ buffers/cache:  148336  619664
Swap:    0        0        0
```

free, top /proc/meminfo still show old data. So, should I restart container to apply changes on the

fly? I've read on this forum that this is not required, but seems that it is, or... what do I miss?
Thank you for your time.

Subject: Re: vzctl set changes configuration on the fly?

Posted by [mihde](#) on Tue, 01 Apr 2008 14:56:22 GMT

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I am having the same problem here, on a Debian Etch HN running just a few VEs. It did work a while ago, and I think this changed after some ovz Kernel Update. (Unfortunately I do not know which one...)

Kernel is at the moment:

Linux xxx 2.6.18-ovz-028stab053.5-smp #1 SMP Sat Mar 1 20:36:11 UTC 2008 x86_64

GNU/Linux

vzctl is 3.0.22-1dso1, Kernel and other OpenVZ Software is taken from the great debian.systs.org

Is there any information we can provide for further investigation? Should we file a bugreport?

Kind Regards

Maik

Subject: Re: vzctl set changes configuration on the fly?

Posted by [kir](#) on Tue, 01 Apr 2008 23:09:12 GMT

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which vzctl version do you use?

Subject: Re: vzctl set changes configuration on the fly?

Posted by [pva0xd](#) on Wed, 02 Apr 2008 03:55:19 GMT

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That is gentoo Linux with th following versions of software installed:

```
vz ~ # vzctl --version
```

```
vzctl version 3.0.22
```

```
vz ~ # uname -a
```

```
Linux vz 2.6.18-028stab053 #1 Mon Feb 18 16:33:59 MSK 2008 x86_64 AMD Athlon(tm) 64
```

```
Processor 3000+ AuthenticAMD GNU/Linux
```

```
vz ~ # lsmod
```

```
Module          Size Used by
```

```
simfs          5776 3
vznetdev      22696 6
vzrst        126880 0
vzcpt        101808 0
vzdquota      42600 3 [permanent]
vzmon        36624 6 vznetdev,vzrst,vzcpt
vzdev        4360 3 vznetdev,vzdquota,vzmon
```

Just in case, kernel config is in attachment.

File Attachments

1) [config.gz](#), downloaded 518 times

Subject: Re: vzctl set changes configuration on the fly?
Posted by [Mr.Ash](#) on Wed, 02 Apr 2008 07:10:37 GMT
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try to use

```
vzctl set 101 --privmpages 250M:300M --save --setmod restart
```

Yours Truly,
Ash

Subject: Re: vzctl set changes configuration on the fly?
Posted by [pva0xd](#) on Wed, 02 Apr 2008 07:26:48 GMT
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Does not change anything:

```
vz ~ # vzctl set 101 --privmpages 250M:300M --setmode restart --save
UB limits were set successfully
Saved parameters for VE 101
vz ~ # vzctl enter 101
entered into VE 101
cacti / # free -m
      total    used    free  shared  buffers  cached
Mem:    750     144    605     0        0        0
-/+ buffers/cache:    144    605
Swap:    0         0         0
```

And dmesg is clear. The only thing which helps is `vzctl stop 101 && vzctl start 101...`

Subject: Re: vzctl set changes configuration on the fly?
Posted by [Mr.Ash](#) on Wed, 02 Apr 2008 07:49:32 GMT
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```
cat /etc/sysconfig/vz-scripts/101.conf
```

result?

Subject: Re: vzctl set changes configuration on the fly?
Posted by [pva0xd](#) on Wed, 02 Apr 2008 08:13:25 GMT
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Location of config file is different, but here it is:

```
vz ~ # cat /etc/vz/conf/101.conf
# Copyright (C) 2000-2007 SWsoft. All rights reserved.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
#

VERSION="2"

ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="25600:28160"
# Secondary parameters
KMEMSIZE="10485760:12582912"
TCPSNDBUF="319488:524288"
```

```
TCPRCVBUF="319488:524288"  
OTHERSOCKBUF="132096:336896"  
DGRAMRCVBUF="132096:132096"  
OOMGUARPAGES="133120:9223372036854775807"
```

Auxiliary parameters

```
LOCKEDPAGES="32:32"  
SHMPAGES="8192:8192"  
PRIVVMPAGES="76800:81920"  
NUMFILE="2048:2048"  
NUMFLOCK="100:110"  
NUMPTY="16:16"  
NUMSIGINFO="256:256"  
DCACHESIZE="1048576:1097728"
```

```
PHYSPAGES="0:9223372036854775807"  
NUMIPTENT="128:128"
```

Disk quota parameters (in form of softlimit:hardlimit)

```
DISKSPACE="4097152:4306868"  
DISKINODES="400000:420000"  
QUOTATIME="0"
```

CPU fair sheduler parameter

```
CPUUNITS="100000"  
OFFLINE_MANAGEMENT="yes"  
HOSTNAME="cacti.rcline.ru"  
IP_ADDRESS="172.16.0.41"  
CPULIMIT="90"
```

Subject: Re: vzctl set changes configuration on the fly?

Posted by [Mr.Ash](#) on Wed, 02 Apr 2008 08:19:50 GMT

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try this

```
vzctl set 101 --privmpages 262144:262144 --save --setmod restart
```

i think error 250M:300M

Subject: Re: vzctl set changes configuration on the fly?

Posted by [pva0xd](#) on Wed, 02 Apr 2008 08:53:10 GMT

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Mr.Ash wrote on Wed, 02 April 2008 12:19try this

```
vzctl set 101 --privmpages 262144:262144 --save --setmod restart
```

i think error 250M:300M

Does not make any difference. And If I do with 250M:300M and vzctl stop/start after that container has new values, as it should.

Subject: Re: vzctl set changes configuration on the fly?

Posted by [kir](#) on Wed, 02 Apr 2008 13:04:33 GMT

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I confirm that this is a bug in vzctl. I have reopened OpenVZ bug #623; add yourself into Cc for this bug if you want to track its progress. Hopefully it will be fixed soon.

http://bugzilla.openvz.org/show_bug.cgi?id=623

Subject: Re: vzctl set changes configuration on the fly?

Posted by [chubaka](#) on Mon, 28 Apr 2008 06:01:41 GMT

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Mr.Ash wrote on Wed, 02 April 2008 03:19try this
vzctl set 101 --privmpages 262144:262144 --save --setmod restart
i think error 250M:300M

this helped me
