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Subject: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems "detected  
vswap CT config but ke

Posted by [umask](#) on Fri, 04 May 2012 12:11:10 GMT

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Hi!

Today I restarted hardware node and find that my CTs didn't start.

When I trying start it I get next error:

```
# vzctl start 101
Error: required UB parameter swappages not set
Error: detected vswap CT config but kernel does not support vswap
```

The CT config:

```
=====
# cat /etc/vz/conf/101.conf
# Copyright (C) 2000-2008, Parallels, Inc. 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
#
```

```
ONBOOT="yes"
```

```
# parameters (in form of barrier:limit
# 1st
NUMPROC="256:256"
NUMTCPSOCK="4096:4096"
NUMOTHERSOCK="1024:1024"
# 2GB (in 4K pages):
VMGUARPAGES="524288:524288"

# 2nd
# 1GB (in bytes)
KMEMSIZE="1073741824:1073741824"
```

```
TCPSNDBUF="16220160:16220160"
TCPRCVBUF="16220160:16220160"
OTHERSOCKBUF="1126080:2097152"
DGRAMRCVBUF="262144:262144"
OOMGUARPAGES="524288:524288"
PRIVVMPAGES="524288:524288"
```

```
# 3rd
LOCKEDPAGES="4096:4096"
SHMPAGES="524288:524288"
PHYSPAGES="524288:524288"
NUMFLOCK="4096:4096"
NUMPTY="16:16"
NUMSIGINFO="256:256"
# 32MB (in bytes)
DCACHESIZE="33554432:33554432"
NUMFILE="9312:9312"
AVNUMPROC="180:180"
NUMIPTENT="128:128"
# END of UBC parameters (in form of barrier:limit)
```

```
# Disk quota parameters (in form of softlimit:hardlimit)
DISKSPACE="25048576:25153024"
DISKINODES="200000:220000"
QUOTATIME="0"
```

```
# CPU fair sheduler parameter
CPUUNITS="1000"
```

```
IP_ADDRESS="190.190.1.100"
HOSTNAME="web.XXXX.net"
VE_ROOT="/vz/root/$VEID"
VE_PRIVATE="/vz/private/$VEID"
OSTEMPLATE="centos-5-x86_64-minimal"
ORIGIN_SAMPLE="vps.basic"
NAMESERVER="10.10.1.1 10.10.2.2"
SEARCHDOMAIN="XXX.net"
CPULIMIT="200"
```

```
=====
```

```
# uname -a
Linux HWnode.com 2.6.18-308.el5.028stab099.3 #1 SMP Wed Mar 7 15:56:00 MSK 2012 x86_64
x86_64 x86_64 GNU/Linux
# vzctl --version
vzctl version 3.2
```

```
When I add
=====
```

```
SWAPPAGES="0:0"
```

```
=====
```

```
to CT config I get error:
```

```
# vzctl start 101
```

```
Error: detected vswap CT config but kernel does not support vswap
```

Where is my mistake?

Thank you.

---

Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems

"detected vswap CT config bu

Posted by [Ales](#) on Fri, 04 May 2012 12:53:49 GMT

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It might be a bug in vzctl. I couldn't see any vswap specific instructions while quickly skimming across your original CT config (please doublecheck), so it should work with your kernel.

If a similar vzctl bugreport doesn't exist, please do open a new one.

In the meanwhile I'd advise you to downgrade vzctl to the previous version - "yum downgrade vzctl" should do the trick...

---

Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems

"detected vswap CT config bu

Posted by [umask](#) on Fri, 04 May 2012 13:02:32 GMT

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There is part of output of `strace vzctl start 101`:

```
rt_sigaction(SIGINT, {0x1, [], SA_RESTORER, 0x31a18302f0}, NULL, = 0
ioctl(4, 0x400c2e05, 0x7fffdb494a10) = -1 ESRCH (No such process)
ioctl(4, 0x400c2e05, 0x7fffdb494820) = -1 ESRCH (No such process)
access("/proc/vz/vswap", F_OK) = -1 ENOENT (No such file or directory)
write(2, "Error: detected vswap CT config "..., 65Error: detected vswap CT config but kernel does
not support vswap) = 65
write(2, "\n", 1
) = 1
```

yum downgrade said:

```
# yum downgrade vzctl
```

```
Loaded plugins: downloadonly, fastestmirror
```

...  
Excluding Packages in global exclude list  
Finished  
No Match for available package: vzctl-3.2-1.i386  
Only Upgrade available on package: vzctl-3.2-1.x86\_64  
Nothing to do

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Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems  
"detected vswap CT config bu  
Posted by [umask](#) on Fri, 04 May 2012 13:06:24 GMT  
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FYI:

```
# rpm --force -Uhv http://download.openvz.org/utils/vzctl/3.1/vzctl-3.1-1.x86_64.rpm
http://download.openvz.org/utils/vzctl/3.1/vzctl-lib-3.1-1.x86_64.rpm
Retrieving http://download.openvz.org/utils/vzctl/3.1/vzctl-3.1-1.x86_64.rpm
Retrieving http://download.openvz.org/utils/vzctl/3.1/vzctl-lib-3.1-1.x86_64.rpm
Preparing...      ##### [100%]
 1:vzctl-lib      ##### [ 50%]
 2:vzctl          ##### [100%]
```

```
# rpm -qa | grep vzctl
vzctl-lib-3.1-1
vzctl-3.1-1
```

```
# vzctl start 101
Starting container ...
Container is mounted
Adding IP address(es): XX.XX.XX.XX
Setting CPU limit: 200
Setting CPU units: 1000
Container start in progress...
# echo $?
0
```

I have no time to report bug now. I will report it few later.

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Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems  
"detected vswap CT config bu

Posted by [Ales](#) on Fri, 04 May 2012 13:42:12 GMT

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It seems that openvz devels keep just the latest rpm packages in the repos, so yum downgrade doesn't work.

I'm glad you've solved your immediate problem and thanks for reporting back. Looks like this bug will hit a lot of users without vswap capable kernels...

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Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems  
"detected vswap CT config bu

Posted by [umask](#) on Fri, 04 May 2012 21:34:49 GMT

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bug report: [http://bugzilla.openvz.org/show\\_bug.cgi?id=2263](http://bugzilla.openvz.org/show_bug.cgi?id=2263)

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Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems  
"detected vswap CT config bu

Posted by [kir](#) on Fri, 04 May 2012 22:00:40 GMT

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Replied in bugzilla, copy-paste from bz follows:

Now, the problem is your physpages is not set the way it should. Newer vzctl is just able to detect it, while the old one didn't care. So this is the bug with your CT configuration, not vzctl.

If you look up the description of physpages (<http://wiki.openvz.org/Physpages#physpages>), you will note this:

- > For older kernels, physpages is an accounting-only parameter.
- > The barrier should be set to 0 and the limit to 'unlimited' (LONG\_MAX).

So, the way to fix your CT config is:

```
vzctl set NNN --physpages 0:unlimited --save
```

Again, I am really sorry that new vzctl broke your CT start, but the problem is indeed with CT config not vzctl.

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Subject: Re: ovzkernel-2.6.18-308.el5.028stab099.3 + vzctl-3.2-1 = problems  
"detected vswap CT config bu

Posted by [umask](#) on Sat, 05 May 2012 05:29:36 GMT

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I think that:

1. vzctl needs to report that problem here is in missed parameter (physpages), not vswap (before write to forum and report bug I googled problem and find nothing).
2. due to compatibility vzctl must report warnings few minor versions and only after will exit with fatal error.

Currently I have more than 20 servers with described problem.  
Possible other users have the same misconfigurations.

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