
Subject: Checkpointing failed
Posted by [unxs](#) on Wed, 23 Sep 2009 21:26:19 GMT
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Need help or any hints...have setup more than 20 OPenVZ servers and have never seen this problem. Details below.

Google shows no exact error message match.

Thanks!

```
[root@FS2 ~]# vzctl chkpnt 1261
Setting up checkpoint...
Can not set CT ID: Invalid argument
Checkpointing failed
[root@FS2 ~]#
[root@FS2 ~]# vzctl --version
vzctl version 3.0.23
[root@FS2 ~]# df -k
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/sda2        9851340  1785868  7565048  20% /
/dev/sda1        248895    35092   200953  15% /boot
/dev/mapper/VolGroup00-LogVol00
                926506584 10995464 868447264  2% /vz
tmpfs            8202652      0 8202652  0% /dev/shm
[root@FS2 ~]# uname -a
Linux X.X.X 2.6.18-128.2.1.el5.028stab064.7 #1 SMP Wed Aug 26 15:47:17 MSD 2009 x86_64
x86_64 x86_64 GNU/Linux
```

Subject: Re: Checkpointing failed
Posted by [unxs](#) on Fri, 25 Sep 2009 12:28:22 GMT
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Guess I will have to download the source and analyze.

If a bug is found I will report at bugzilla.

Cheers!

Subject: Re: Checkpointing failed SOLVED
Posted by [unxs](#) on Fri, 25 Sep 2009 17:22:17 GMT
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This works...

```
# wget http://download.openvz.org/utils/vzctl/3.0.23/src/vzctl-3.0.23-1.src.rpm
# rpm -i vzctl-3.0.23-1.src.rpm
# cd /usr/src/redhat/SOURCES
# tar xvjf vzctl-3.0.23.tar.bz2
# cd vzctl-3.0.23
# ./configure --enable-bashcomp --enable-logrotate
# make
# make install
```

The above compile from sources placed new utils in /usr/local.

And viola...now it works! Why is the question? More rudimentary investigating...

```
[root@fs2 vzctl-3.0.23]# /usr/local/sbin/vzctl chkpnt 1261
```

Setting up checkpoint...

suspend...

dump...

kill...

Container is unmounted

Checkpointing completed succesfully

```
[root@fs2 vzctl-3.0.23]# /usr/local/sbin/vzctl restore 1261
```

Restoring container ...

Starting container ...

Container is mounted

undump...

Adding IP address(es): 91.102.45.12

Setting CPU units: 1000

Configure meminfo: 127100

resume...

Container start in progress...

Restoring completed succesfully

```
[root@fs2 vzctl-3.0.23]# vlist
```

-bash: vlist: command not found

```
[root@fs2 vzctl-3.0.23]# vzlist
```

CTID	NPROC	STATUS	IP_ADDR	HOSTNAME
1051	59	running	91.102.45.3	ice-9.texxxs.nl
1061	59	running	91.102.45.4	main.texxxs.nl
1261	3	running	91.102.45.12	delme2.texxxs.nl

```
[root@fs2 vzctl-3.0.23]# ldd /usr/local/sbin/vzctl
```

libvzctl-0.0.2.so => /usr/local/lib/libvzctl-0.0.2.so (0x00002b9630e37000)

libdl.so.2 => /lib64/libdl.so.2 (0x0000003002e00000)

libutil.so.1 => /lib64/libutil.so.1 (0x0000003005600000)

libc.so.6 => /lib64/libc.so.6 (0x0000003002a00000)

```

/lib64/ld-linux-x86-64.so.2 (0x0000003002600000)
[root@fs2 vzctl-3.0.23]# ldd /usr/sbin/vzctl
libvzctl-0.0.2.so => /usr/lib/libvzctl-0.0.2.so (0x0096a000)
libdl.so.2 => /lib/libdl.so.2 (0x007db000)
libutil.so.1 => /lib/libutil.so.1 (0x00990000)
libc.so.6 => /lib/libc.so.6 (0x00671000)
/lib/ld-linux.so.2 (0x00653000)
[root@fs2 vzctl-3.0.23]# diff /usr/lib/libvzctl-0.0.2.so /usr/local/lib/libvzctl-0.0.2.so
Binary files /usr/lib/libvzctl-0.0.2.so and /usr/local/lib/libvzctl-0.0.2.so differ
[root@fs2 vzctl-3.0.23]# ls -l /usr/local/lib/libvzctl-0.0.2.so
-rwxr-xr-x 1 root root 498441 Sep 25 19:01 /usr/local/lib/libvzctl-0.0.2.so*
[root@fs2 vzctl-3.0.23]# ls -l /usr/lib/libvzctl-0.0.2.so
-rwxr-xr-x 1 root root 384813 Oct 30 2008 /usr/lib/libvzctl-0.0.2.so*

```

So on my server set of new CentOS 5.3 x86_64 servers with yum installed OpenVZ kernel:

2.6.18-128.2.1.el5.028stab064.7

I had this thread's problem.

Summary: Had to compile from source to get chkpnt to work.

More info on my server farm, all my servers are dual quad core Xeons with 16Gb of RAM.

Example cpu0:

```

processor      : 0
vendor_id     : GenuineIntel
cpu family    : 6
model         : 23
model name    : Intel(R) Xeon(R) CPU           E5410  @ 2.33GHz
stepping      : 6
cpu MHz       : 2333.413
cache size    : 6144 KB
physical id   : 0
siblings      : 4
core id       : 0
cpu cores     : 4
apicid        : 0
fpu           : yes
fpu_exception : yes
cpuid level   : 10
wp            : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush
dts acpi mmx fxsr sse sse2 ss ht tm syscall nx lm constant_tsc pni monitor ds_cpl vmx est tm2
cx16 xtrr lahf_lm
bogomips      : 4668.57

```

clflush size : 64
cache_alignment : 64
address sizes : 38 bits physical, 48 bits virtual
power management:
...

Subject: Re: Checkpointing failed SOLVED
Posted by [curx](#) on Sat, 26 Sep 2009 18:44:47 GMT
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Hi,

have you installed the OpenVZ tools (esp. vzctl) for x86-64 as well or only the i386 Version ?

---8<...

```
[root@fs2 vzctl-3.0.23]# ldd /usr/sbin/vzctl
libvzctl-0.0.2.so => /usr/lib/libvzctl-0.0.2.so (0x0096a000)
libdl.so.2 => /lib/libdl.so.2 (0x007db000)
libutil.so.1 => /lib/libutil.so.1 (0x00990000)
libc.so.6 => /lib/libc.so.6 (0x00671000)
/lib/ld-linux.so.2 (0x00653000)
```

```
[root@fs2 vzctl-3.0.23]# ldd /usr/local/sbin/vzctl
libvzctl-0.0.2.so => /usr/local/lib/libvzctl-0.0.2.so (0x00002b9630e37000)
libdl.so.2 => /lib64/libdl.so.2 (0x0000003002e00000)
libutil.so.1 => /lib64/libutil.so.1 (0x0000003005600000)
libc.so.6 => /lib64/libc.so.6 (0x0000003002a00000)
/lib64/ld-linux-x86-64.so.2 (0x0000003002600000)
```

---8<...

Bye,
Thorsten

Subject: Re: Checkpointing failed SOLVED
Posted by [unxs](#) on Sat, 26 Sep 2009 21:34:55 GMT
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Thanks Thorsten,

That was exactly the problem. What was very confusing is that ALL the other vzctl functions worked perfectly. So I guess the chkpnt loads a .so (like M\$ dll's) that the other parts of vzctl do not use.

So I guess this problem was based on some yum confusion but only regarding the utils pkg. I

think yum/rpm should be improved on or the underlying .spec files.

For now I have to be very careful and not yum install everything without the proper checks.

A test suite would also be cool. We will make one.

Thanks again for your on the mark comment!
