
Subject: Re: veth and checkpoint and restore
Posted by [Nils Domrose](#) on Wed, 14 Mar 2007 13:16:07 GMT
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Hi,

here is the kernel log file:

```
Mar 14 14:06:48 ovz2 kernel: CPT DBG: cpt itimer 16736,17760(syslogd)
25303356000
Mar 14 14:06:48 ovz2 kernel: CPT DBG: cpt itimer 16769,17793(exim4)
1795377143000
Mar 14 14:06:48 ovz2 kernel: CPT DBG: ffff81007c262000,153:
16780,17804(cron) 13469949000
Mar 14 14:06:48 ovz2 kernel: VE: 153: stopped
Mar 14 14:06:51 ovz2 kernel: VE: 153: started
Mar 14 14:06:51 ovz2 kernel: CPT DBG: ffff81007da74000,153: JFixup
-30 3643948000
Mar 14 14:06:51 ovz2 kernel: lo: Disabled Privacy Extensions
Mar 14 14:06:51 ovz2 kernel: CPT ERR: ffff81007da74000,153 :add
ifaddr err -22 for 5 eth0
Mar 14 14:06:51 ovz2 kernel: CPT ERR:
ffff81007da74000,153 :rst_restore_net: -22
Mar 14 14:06:51 ovz2 kernel: CPT DBG: ffff81007da74000,153: leaked
through 16804/1 ffff81007d158e40
Mar 14 14:06:52 ovz2 kernel: VE: 153: stopped
```

the image is on its way.

never the less i notice the following:

-----snip-----

I shutdown the interface in the VE and all went OK:

-----snip-----

```
root@vz-test:/# ifdown eth0
root@vz-test:/# ifconfig -a
eth0    Link encap:Ethernet  HWaddr 00:18:51:00:01:53
        inet addr:10.215.127.153  Bcast:10.215.127.255  Mask:
255.255.254.0
        BROADCAST MULTICAST  MTU:1500  Metric:1
        RX packets:4 errors:0 dropped:0 overruns:0 frame:0
        TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:244 (244.0 b)  TX bytes:384 (384.0 b)

lo      Link encap:Local Loopback
```

```
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
venet0 Link encap:UNSPEC HWaddr
00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
BROADCAST POINTOPOINT NOARP MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
root@vz-test:/# ifconfig
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)
```

```
root@vz-test:/# ifconfig
root@vz-test:/# logout
exited from VE 153
ovz2:/etc/vz/conf# vzctl chkpnt 153 --dumpfile /var/tmp/dump.153
Setting up checkpoint...
suspend...
dump...
kill...
VE is unmounted
Checkpointing completed succesfully
ovz2:/etc/vz/conf# vzctl restore 153 --dumpfile /var/tmp/dump.153
Restoring VE ...
Starting VE ...
VE is mounted
undump...
Setting CPU units: 112005
Configure veth devices: veth153.0
Adding interface veth153.0 and route 10.215.127.153 for VE153 to VE0
resume...
VE start in progress...
Restoring completed succesfully
```

-----snip-----

Now i configure the interface again:

-----snip-----

```
ovz2:/etc/vz/conf# vzctl enter 153
entered into VE 153
root@vz-test:/# ifup eth0
root@vz-test:/# logout
exited from VE 153
ovz2:/etc/vz/conf# vzctl chkpnt 153 --dumpfile /var/tmp/dump.153
Setting up checkpoint...
    suspend...
    dump...
    kill...
VE is unmounted
Checkpointing completed succesfully
ovz2:/etc/vz/conf# vzctl restore 153 --dumpfile /var/tmp/dump.153
Restoring VE ...
Starting VE ...
VE is mounted
    undump...
Setting CPU units: 112005
Configure veth devices: veth153.0
Adding interface veth153.0 and route 10.215.127.153 for VE153 to VE0
Error: undump failed: Invalid argument
Restoring failed:
add ifaddr err -22 for 5 eth0
rst_restore_net: -22
VE start failed
Stopping VE ...
VE was stopped
VE is unmounted
ovz2:/etc/vz/conf#
```

-----snip-----

Here is the log file:

```
Mar 14 14:08:54 ovz2 kernel: CPT DBG: cpt itimer 17026,18050(syslogd)
4280821000
Mar 14 14:08:54 ovz2 kernel: CPT DBG: cpt itimer 17059,18083(exim4)
1744368281000
Mar 14 14:08:54 ovz2 kernel: CPT DBG: ffff81007c20e800,153:
17069,18093(cron) 7427290000
Mar 14 14:08:54 ovz2 kernel: VE: 153: stopped
Mar 14 14:08:57 ovz2 kernel: VE: 153: started
```

Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: JFixup
-37 3613296000
Mar 14 14:08:57 ovz2 kernel: lo: Disabled Privacy Extensions
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: 17125,1
(init)open RONLY fifo ino 4648 ffff8100f6899980 1180
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: file is
attached to a socket
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153:
17145,18050(syslogd)open RONLY fifo ino 4872 ffff8100f6813dc0 11a0
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: file is
attached to a socket
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: rst_file:
file obtained by dentry_open
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: file is
attached to a socket
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: rst_file:
file obtained by dentry_open
Mar 14 14:08:57 ovz2 last message repeated 2 times
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: bsd lock
restored
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: settids
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: settids
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rst itimer 17145,18050(syslogd)
+667525000 4280821000
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: itimer
17145,18050(syslogd) +667525000
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: settids
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rst itimer 17146,18083(exim4)
+1740754985000 1744368281000
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: itimer
17146,18083(exim4) +1740754985000
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: settids
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: settids
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: task
1/17125(init) is started
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: task
18050/17145(syslogd) is started
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rct: 17125,1(init)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rrs: 17125,1(init)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: task
18083/17146(exim4) is started
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rct: 17145,18050(syslogd)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rrs: 17145,18050(syslogd)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: task
18090/17147(sshd) is started
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rct: 17146,18083(exim4)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rrs: 17146,18083(exim4)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: ffff81007c7fb000,153: task

```
18093/17148(cron) is started
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rct: 17147,18090(sshd)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rrs: 17147,18090(sshd)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rct: 17148,18093(cron)
Mar 14 14:08:57 ovz2 kernel: CPT DBG: rrs: 17148,18093(cron)
Mar 14 14:09:08 ovz2 kernel: veth153.0: no IPv6 routers present
Mar 14 14:09:15 ovz2 kernel: CPT DBG: cpt itimer 17145,18050(syslogd)
12864503000
Mar 14 14:09:15 ovz2 kernel: CPT DBG: cpt itimer 17146,18083(exim4)
1722949124000
Mar 14 14:09:15 ovz2 kernel: CPT DBG: ffff81007c20e800,153:
17148,18093(cron) 45896571000
Mar 14 14:09:16 ovz2 kernel: VE: 153: stopped
Mar 14 14:09:18 ovz2 kernel: VE: 153: started
Mar 14 14:09:18 ovz2 kernel: CPT DBG: ffff8100f2685000,153: JFixup
-68 2861114000
Mar 14 14:09:18 ovz2 kernel: lo: Disabled Privacy Extensions
Mar 14 14:09:18 ovz2 kernel: CPT ERR: ffff8100f2685000,153 :add
ifaddr err -22 for 5 eth0
Mar 14 14:09:18 ovz2 kernel: CPT ERR:
ffff8100f2685000,153 :rst_restore_net: -22
Mar 14 14:09:18 ovz2 kernel: CPT DBG: ffff8100f2685000,153: leaked
through 17186/1 ffff8100f7badbc0
Mar 14 14:09:18 ovz2 kernel: VE: 153: stopped
```

so it looks like this happens only if veth(eth0) device inside the ve is configured(and up)

Nils

On Mar 14, 2007, at 1:31 PM, Andrey Mirkin wrote:

```
> Hello!
>
> Can you give an access to node?
> If not, then try following:
> 1. Increase log level of CPT modules with commands:
> echo 3 > /proc/sys/debug/cpt
> echo 3 > /proc/sys/debug/rst
> 2. Checkpoint and restore VE in question
>
```

> After that send me kernel logs and image file. Image file can be
> huge, so
> please do not send it to list.
>
> Regards,
> Andrey
>
> On Wednesday 14 March 2007 14:44 Nils Domrose wrote:
>> I installed the 028-18 debian package mentioned below,
>>
>> same effect.
>>
>> ovz2:~# vzctl chkpnt 151 --dumpfile /var/tmp/dump.151
>> Setting up checkpoint...
>> suspend...
>> dump...
>> kill...
>> VE is unmounted
>> Checkpointing completed succesfully
>> ovz2:~#
>>
>> ovz2:~# vzctl restore 151 --dumpfile /var/tmp/dump.151
>> Restoring VE ...
>> Starting VE ...
>> VE is mounted
>> undump...
>> Setting CPU units: 112005
>> Configure veth devices: veth151.0
>> Adding interface veth151.0 and route 10.215.127.151 for VE151 to VE0
>> Error: undump failed: Invalid argument
>> Restoring failed:
>> add ifaddr err -22 for 5 eth0
>> rst_restore_net: -22
>> VE start failed
>> Stopping VE ...
>> VE was stopped
>> VE is unmounted
>> ovz2:~# uname -a
>> Linux ovz2 2.6.18-openvz-amd64 #1 SMP Mon Mar 12 21:59:13 UTC 2007
>> x86_64 GNU/Linux
>>
>> On Mar 14, 2007, at 11:07 AM, Nils Domrose wrote:
>>> Hi Andrey,
>>>
>>> vzctl version:
>>> ovz1:~# vzctl --version
>>> vzctl version 3.0.14-1dso31.2
>>>

>>> for the kernel this is more problematic:
>>>
>>> i noticed that i cannot provide you with the version since i
>>> installed this kernel
>>> [http://download.openvz.org/kernel/debian/etch/linux-headers- 2.6.18-](http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-amd64_02_amd64.deb)
>>> [openvz-amd64_02_amd64.deb](http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-amd64_02_amd64.deb)
>>>
>>> cat /proc/version
>>> Linux version 2.6.18-openvz-amd64 (02) (ola@deb-build-
>>> amd64.openvz.org) (gcc version 4.1.2 20061115 (prerelease) (Debian
>>> 4.1.1-21)) #1 SMP Fri Jan 26 18:14:59 UTC 2007
>>>
>>> problem is that the debian packet and file name does not indicate
>>> the version of the ovz patch - so your question was already
>>> helpfull since no know that I do not know which version I use ;-)
>>>
>>> Do you think it makes sense to upgrade to the latest version 028.18
>>> - I would try out:
>>>
>>> [http://download.openvz.org/kernel/debian/etch/linux-headers- 2.6.18-](http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-amd64_028.18-2.6.18-11-1_amd64.deb)
>>> [openvz-amd64_028.18-2.6.18-11-1_amd64.deb](http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-amd64_028.18-2.6.18-11-1_amd64.deb)
>>>
>>> Nils
>>>
>>> On Mar 13, 2007, at 5:21 PM, Andrey Mirkin wrote:
>>>> Hello,
>>>>
>>>> Can you, please, provide us what kernel and vzctl do you use.
>>>>
>>>> Regards,
>>>> Andrey
>>>>
>>>> On Tuesday 13 March 2007 18:58 Nils Domrose wrote:
>>>>> Hi,
>>>>>
>>>>> I have a Problem that I cannot restore a VE (and also not migrate)
>>>>>
>>>>> ovz2:/etc/vz/conf# vzctl --verbose restore 151 --dumpfile /var/
>>>>> tmp/
>>>>> dump.151
>>>>> Restoring VE ...
>>>>> Starting VE ...
>>>>> VE is mounted
>>>>> undump...
>>>>> Setting CPU units: 112005
>>>>> Configure veth devices: veth151.0
>>>>> Adding interface veth151.0 and route 10.215.127.151 for VE151
>>>>> to VE0

```
>>>> Error: undump failed: Invalid argument
>>>> Restoring failed:
>>>> add ifaddr err -22 for 5 eth0
>>>> rst_restore_net: -22
>>>> VE start failed
>>>> Stopping VE ...
>>>> VE was stopped
>>>> VE is unmounted
>>>>
>>>>
>>>> vzctl start/stop works nicely in combination with the vznet.conf
>>>> script.
>>>>
>>>>
>>>> If i run strace the last scripts (vznet.conf) and if for
>>>> testing - I
>>>> create a 151.start script return exit 0. Never the less the
>>>> restore
>>>> fails and I have no more clue why.
>>>> It looks like some script or program is still trying to restore
>>>> the
>>>> networking for vnet interfaces - I have no IP_ADDRESS set in my
>>>> 151.conf. Since I only use veth devices.
>>>>
>>>>
>>>>
>>>> Nils
```
