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Subject: \*BUG\* \*SOLVED\* vzctl-3.0.18 package breaks my veth devices

Posted by [jb619](#) on Fri, 13 Jul 2007 19:56:36 GMT

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I upgraded my centos 4 HN to the latest vzctl package (vzctl-3.0.18) today. After rebooting, vzctl refuses to start VE's using veth devices. It complains that the feature is not supported by the kernel. If I downgrade to 3.0.16-1 and then reboot. Everything is back to normal.

```
[root@nd1 packages]# vzctl start 29
Starting VE ...
VE is mounted
Setting CPU units: 24554
Configure meminfo: 308092
Set hostname: dev2.XXXXXX.com
File resolv.conf was modified
Configure veth devices: veth29.0 veth29.1
Error: veth feature is not supported by kernel
VE start failed
Stopping VE ...
VE was stopped
VE is unmounted
```

```
[root@nd1 packages]# uname -r
2.6.18-ovz028stab035.1-smp
```

```
[root@nd1 packages]# rpm -Uvh --oldpackage vzctl-3.0.16-1.x86_64.rpm
vzctl-lib-3.0.16-1.x86_64.rpm
Preparing...      ##### [100%]
 1:vzctl-lib      ##### [ 50%]
 2:vzctl          ##### [100%]
```

```
[root@nd1 packages]# vzctl start 29
Starting VE ...
VE is mounted
Setting CPU units: 24554
Set hostname: dev2.careerperfect.com
File resolv.conf was modified
Configure veth devices: veth29.0 veth29.1
Error: veth feature is not supported by kernel
VE start failed
Stopping VE ...
VE was stopped
VE is unmounted
```

```
[root@nd1 packages]# init 6
```

```
$ ssh root@nd1.XXXX.com
```

```
[root@nd1 ~]# vzlist
  VEID   NPROC STATUS IP_ADDR   HOSTNAME
  29     28 running dev2.XXXX.com
```

I am not sure where to even start on troubleshooting this. Has anyone seen anything like it or have some ideas?

--John

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Subject: Re: vzctl-3.0.18 package breaks my veth devices  
Posted by [curx](#) on Fri, 13 Jul 2007 20:06:42 GMT  
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Hi John,

is the kernel modul "vzethernet" loaded in your VE0 (hardwarenode) ?

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Subject: Re: vzctl-3.0.18 package breaks my veth devices  
Posted by [jb619](#) on Fri, 13 Jul 2007 20:25:12 GMT  
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No, it is not present. Did you mean "vzethdev"?

--John

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Subject: Re: vzctl-3.0.18 package breaks my veth devices  
Posted by [jb619](#) on Fri, 13 Jul 2007 20:44:51 GMT  
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It looks like when vzctl 3.0.18 is installed vzethdev is not getting loaded.

This is with 3.0.16:

```
[root@nd1 packages]# lsmod|grep vze
```

```
vzethdev      10768 0
vzmon        35216 5 vzethdev,vzrst,vzcpt,vznetdev
vzdev        4360 4 vzethdev,vzdquota,vznetdev,vzmon
```

```
[root@nd1 packages]# rpm -Uvh vzctl-3.0.18-1.x86_64.rpm vzctl-lib-3.0.18-1.x86_64.rpm
Preparing...      ##### [100%]
 1:vzctl-lib      ##### [ 50%]
 2:vzctl          ##### [100%]
[root@nd1 packages]# init 6
[root@nd1 packages]# exit
```

Then after the upgrade to 3.0.18 and a reboot:

```
johnb@booboo:~$ ssh root@nd1.xxxx.com
```

```
[root@nd1 ~]# lsmod|grep vze
[root@nd1 ~]#
```

```
[root@nd1 ~]# vzctl start 29
Starting VE ...
VE is mounted
Setting CPU units: 24554
Configure meminfo: 308092
Set hostname: dev2.xxxx.com
File resolv.conf was modified
Configure veth devices: veth29.0 veth29.1
Error: veth feature is not supported by kernel
VE start failed
Stopping VE ...
VE was stopped
VE is unmounted
```

```
[root@nd1 ~]# modprobe vzethdev
```

```
[root@nd1 ~]# vzctl start 29
Starting VE ...
VE is mounted
Setting CPU units: 24554
Configure meminfo: 308092
Set hostname: dev2.xxxx.com
File resolv.conf was modified
Configure veth devices: veth29.0 veth29.1
VE start in progress...
```

I will take a look at /etc/init.d/vz and see if I can figure out why the module is not being loaded.

--John

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Subject: Re: vzctl-3.0.18 package breaks my veth devices

Posted by [jb619](#) on Fri, 13 Jul 2007 22:55:58 GMT

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The problem is in the new version of the /etc/init.d/vz script included with 3.0.18. In the new version, vzethdev is moved out of MODULES\_OTHER and moved into NET\_MODULES. This is the trigger. If I manually edit the init script and move vethdev back into MODULES\_OTHER, the problem goes away.

I am not sure why this change is causing a problem on my system. Since MODULES\_OTHER are loaded before NET\_MODULES, the change causes vzethdev to be loaded slightly latter in the process. Also, this only effects the first vz startup after a reboot. If after a reboot where vzethdev does not load, I then use the init script to stop and then start vz, the module loads. It seems to be some sort of timing / dependency issue, but I am not familiar enough with the details of openvz startup to guess where it is.

--John

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Subject: Re: vzctl-3.0.18 package breaks my veth devices

Posted by [kir](#) on Sat, 14 Jul 2007 03:06:54 GMT

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is there anything in dmesg that tells why vzethdev is not loaded?

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Subject: Re: vzctl-3.0.18 package breaks my veth devices

Posted by [jb619](#) on Sat, 14 Jul 2007 05:23:04 GMT

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No, I don't see anything at all in dmesg. Looking though the files in the log directory, I can see the eth\* devices startup. Followed by venet0. But I don't see any errors until the point that the vz init script tries to bring up the VE that is set to auto start. Then it show the same error I get interactively.

Jul 13 23:26:37 nd1 kernel: ip\_contrack version 2.4 (8192 buckets, 65536 max) - 288 bytes per contrack  
Jul 13 23:26:38 nd1 kernel: VE: 29: started  
Jul 13 23:26:38 nd1 kernel: VE: 29: stopped  
Jul 13 23:26:39 nd1 vz: Starting VE ... VE is mounted Setting CPU units: 24554 Configure meminfo: 308092  
Set hostname: dev2.xxxxx.com File resolv.conf was modified Configure veth devices: veth29.0  
vet  
h29.1 Error: veth feature is not supported by kernel VE start failed Stopping VE ... VE was stopped VE  
is unmounted failed

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Subject: Re: vzctl-3.0.18 package breaks my veth devices  
Posted by [Vasily Tarasov](#) on Mon, 16 Jul 2007 11:03:50 GMT  
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Hello,

In the patch <http://git.openvz.org/?p=vzctl;a=commitdiff;h=f09fd723bbe70d98b772bd9d13fdf844d14cad59> vzethdev is moved from MODULES\_OTHER to NET\_MODULES and this caused the problem:  
if ip addr list | grep -q "venet0:.\*UP"; then  
    return 0  
fi triggers, but vzethdev is not loaded...

The attached patch forces to try to load kernel modules at the beginning of VE networking start.

Just apply this patch to /etc/init.d/vz

Thanks for the report,  
Vasily

### File Attachments

1) [diff-vz-veth-module-on-hn-start-20070716](#), downloaded 405 times

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Subject: Re: \*BUG\* \*SOLVED\* vzctl-3.0.18 package breaks my veth devices

Posted by [jb619](#) on Mon, 16 Jul 2007 17:34:08 GMT

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I applied the patch to the vz init script from 3.0.18 and rebooted. When I reconnected, vzethdev was loaded and my VE's had started up. So I can confirm that the patch fixes the issue.

Thanks for everyone's help.

--John

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Subject: Re: **\*BUG\* \*SOLVED\*** vzctl-3.0.18 package breaks my veth devices

Posted by [andyreed](#) on Wed, 10 Oct 2007 13:54:20 GMT

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I applied the patch, but it didn't help. I still get the same error message:

File resolv.conf was modified

vzctl version 3.0.18

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