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Subject: \*SOLVED\* veth problem - unable to create  
Posted by [gramsa49](#) on Wed, 07 Mar 2007 23:35:52 GMT  
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Not sure what I am doing wrong here. I added the veth device, but after I restarted, it was gone; now I can not add it back. Any guidance would be greatly appreciated.

I added the veth device using this command:

```
vzctl set 2040 --netif_add veth101.0,xx:xx:xx:xx:xx:xx,eth0,yy:yy:yy:yy:yy:yy --save
```

<result of trying to add the device to veid 2040 from host>

```
[root@vz1 ~]# vzctl set 2040 --netif_add veth0,xx:xx:xx:xx:xx:xx,eth0,xx:xx:xx:xx:xx:yy --save
Configure veth devices: eth0
Unable to create veth: File exists
Saved parameters for VE 2040
```

<list of interfaces on host machine>

```
[root@vz1 ~]# ifconfig -a
bond0    Link encap:Ethernet  HWaddr 00:08:02:25:2E:F3
         inet addr:10.1.1.110  Bcast:10.1.1.255  Mask:255.255.255.0
         UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
         RX packets:2821  errors:0  dropped:0  overruns:0  frame:0
         TX packets:6461  errors:0  dropped:0  overruns:0  carrier:0
         collisions:0 txqueuelen:0
         RX bytes:699356 (682.9 KiB)  TX bytes:1031319 (1007.1 KiB)

eth0     Link encap:Ethernet  HWaddr 00:08:02:25:2E:F3
         UP BROADCAST RUNNING SLAVE MULTICAST  MTU:1500  Metric:1
         RX packets:2765  errors:0  dropped:0  overruns:0  frame:0
         TX packets:2980  errors:0  dropped:0  overruns:0  carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:693641 (677.3 KiB)  TX bytes:318665 (311.1 KiB)

eth1     Link encap:Ethernet  HWaddr 00:08:02:25:2E:F2
         UP BROADCAST RUNNING SLAVE MULTICAST  MTU:1500  Metric:1
         RX packets:56  errors:0  dropped:0  overruns:0  frame:0
         TX packets:3481  errors:0  dropped:0  overruns:0  carrier:0
         collisions:0 txqueuelen:1000
         RX bytes:5715 (5.5 KiB)  TX bytes:712654 (695.9 KiB)

lo       Link encap:Local Loopback
         inet addr:127.0.0.1  Mask:255.0.0.0
         UP LOOPBACK RUNNING  MTU:16436  Metric:1
         RX packets:4  errors:0  dropped:0  overruns:0  frame:0
         TX packets:4  errors:0  dropped:0  overruns:0  carrier:0
```

```
collisions:0 txqueuelen:0
RX bytes:304 (304.0 b) TX bytes:304 (304.0 b)
```

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:1702 errors:0 dropped:0 overruns:0 frame:0
TX packets:1542 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:587534 (573.7 KiB) TX bytes:574299 (560.8 KiB)
```

<interfaces on veid 2040>

```
[root@vz1 ~]# vzctl enter 2040
entered into VE 2040
```

```
[root@arsdev /]# ifconfig
```

```
lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:1230259009 errors:0 dropped:0 overruns:0 frame:0
TX packets:1631407695 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:1140876388 (1.0 GiB) TX bytes:1095784005 (1.0 GiB)
```

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING 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)
```

Before someone asks, here are the results of checking for the kernel modules required for veth:

```
[root@vz1 ~]# lsmod | grep vzeth
vzethdev          8008 0
vzmon             49132 9 vzethdev,vzrst,vzcpt,vznetdev
vzdev            2208 4 vzethdev,vzdquota,vznetdev,vzmon
```

Here is my kernel/software info; this is a multi-cpu machine. The test kernel is there because I was using it to test another issue; I do not use it for day to day operation.

```
[root@vz1 ~]# rpm -qa |grep vz
ovzkernel-smp-2.6.9-023stab040.1
vzrpm44-4.4.1-22.5
vzrpm43-python-4.3.3-7_nonptl.6
vztmp-fedora-core-5-2.0-2
kernel-smp-2.6.18-ovz028test015.1
vzctl-lib-3.0.14-1
```

```
vzctl-3.0.14-1
vzyum-2.4.0-11
vzpkg-2.7.0-18
vzrpm43-4.3.3-7_nonptl.6
vzquota-3.0.9-1
vzrpm44-python-4.4.1-22.5
vztmpl-centos-4-2.0-2
[root@vz1 ~]# uname -a
Linux vz1.home.arswiki.org 2.6.9-023stab040.1-smp #1 SMP Tue Jan 16 00:54:22 MSK 2007
i686 i686 i386 GNU/Linux
```

What I've tried so far:

- restart ve
- restart host
- manually bring up veth interface:

```
[root@vz1 ~]# ifconfig veth101.0 up
veth101.0: unknown interface: No such device
```

## Research

I did an strace for file operations to see what 'file' already exists.

```
[root@vz1 ~]# strace -s 10000 -e trace=file vzctl set 2040 --netif_add
veth0,00:0B:CD:1E:5D:FA,eth0,00:0B:CD:1E:5D:FB --save
execve("/usr/sbin/vzctl", ["vzctl", "set", "2040", "--netif_add",
"veth0,00:0B:CD:1E:5D:FA,eth0,00:0B:CD:1E:5D:FB", "--save"], [/* 20 vars */]) = 0
access("/etc/ld.so.preload", R_OK) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.cache", O_RDONLY) = 3
open("/lib/tls/i686/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls/i686", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/lib/tls/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/tls", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/lib/i686/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib/i686", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/lib/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/lib", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/usr/lib/tls/i686/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls/i686", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/usr/lib/tls/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/tls", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/usr/lib/i686/libvzctl-0.0.2.so", O_RDONLY) = -1 ENOENT (No such file or directory)
stat64("/usr/lib/i686", 0xbfec1040) = -1 ENOENT (No such file or directory)
open("/usr/lib/libvzctl-0.0.2.so", O_RDONLY) = 3
open("/lib/libdl.so.2", O_RDONLY) = 3
open("/lib/libutil.so.1", O_RDONLY) = 3
open("/lib/tls/libc.so.6", O_RDONLY) = 3
open("/usr/lib/vzctl/modules/", O_RDONLY|O_NONBLOCK|O_LARGEFILE|O_DIRECTORY) = -1
ENOENT (No such file or directory)
```

```
open("/etc/vz/vz.conf", O_RDONLY) = 3
stat64("/etc/vz/vz.conf", {st_mode=S_IFREG|0644, st_size=709, ...}) = 0
open("/var/log/vzctl.log", O_WRONLY|O_APPEND|O_CREAT, 0666) = 3
stat64("/etc/vz/conf/2040.conf", {st_mode=S_IFREG|0644, st_size=1812, ...}) = 0
open("/etc/vz/conf/2040.conf", O_RDONLY) = 4
stat64("/etc/vz/conf/2040.conf", {st_mode=S_IFREG|0644, st_size=1812, ...}) = 0
open("/dev/vzctl", O_RDWR) = 4
stat64("/vz/lock", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
open("/vz/lock/2040.lck0NL00N", O_RDWR|O_CREAT|O_EXCL, 0600) = 5
link("/vz/lock/2040.lck0NL00N", "/vz/lock/2040.lck") = 0
unlink("/vz/lock/2040.lck0NL00N") = 0
open("/proc/vz/veth", O_RDONLY) = 5
Configure veth devices: eth0
open("/etc/localtime", O_RDONLY) = 5
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
Unable to create veth: File exists
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/vz/conf/2040.conf", {st_mode=S_IFREG|0644, st_size=1812, ...}) = 0
open("/etc/vz/conf/2040.conf", O_RDONLY) = 5
Saved parameters for VE 2040
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
stat64("/etc/localtime", {st_mode=S_IFREG|0644, st_size=1267, ...}) = 0
unlink("/vz/lock/2040.lck") = 0
Process 16642 detached
```

This was the only thing that sticks out, but not sure what I can/can't do with it.

```
[root@vz1 ~]# cat /proc/vz/veth
Version: 1.0
```