Subject: Activated NFS and now the ve won't bring up network
Posted by JimL on Mon, 23 Jul 2007 15:02:08 GMT
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I followed the steps in http://wiki.openvz.org/NFS to enable the NFS client. When I rebooted the ve after setting the features, it no longer has a network connection:

```
[root@50dom0 ~]# vzctl enter 1002
entered into VE 1002
root@walnut:/# 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)

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:110 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:30826 (30.1 KiB)  TX bytes:0 (0.0 b)

 dmesg | head
Linux version 2.6.18-ovz028stab035.1-smp (root@centos-32-build) (gcc version 3.4.4 20050721
(Red Hat 3.4.4-2)) #1 SMP Sat Jun 9 12:15:32 MSD 2007
```

There are no errors reported by /proc/user_beancounters.

There are no error messages in /var/log/vz

```
2007-07-23T10:53:47-0400 vzctl : VE 1002 : Starting VE ...
2007-07-23T10:53:47-0400 vzctl : VE 1002 : VE is mounted
2007-07-23T10:53:47-0400 vzctl : VE 1002 : Adding IP address(es): 192.168.2.50
2007-07-23T10:53:48-0400 vzctl : VE 1002 : Setting CPU units: 1000
2007-07-23T10:53:48-0400 vzctl : VE 1002 : Set hostname: walnut
2007-07-23T10:53:48-0400 vzctl : VE 1002 : VE start in progress...
```

I commented out the features line in the /etc/vz/conf/1002.conf file but it still doesn't work.

Any suggestions?

Thanks,
Jim.

I did a little more testing. If I reboot ve0 and leave nsf off in the config file 1002 comes back up almost OK with networking. The only catch is that ssh daemon didn't start. No errors in any log I could find.

I then re enabled the nfs features line and stopped and started the ve 1002. No network. I commented out the features and restarted and no network. So the only way i can get the network back again is to reboot the system.

Subject: Re: Activated NFS and now the ve won't bring up network
Posted by JimL on Tue, 24 Jul 2007 10:45:31 GMT
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So should I file a bug?

Subject: Re: Activated NFS and now the ve won't bring up network
Posted by khorenko on Fri, 27 Jul 2007 12:32:24 GMT
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Hello Jim,

well, i tried to reproduce your problem but failed.
i paste here the exact log of what i did, could you please check again this commands' sequence and if it again fails for you, paste your log here?

10.0.14.190 - address of the neighbour physical node
10.0.14.189 - address of the eth0 on the Hardware Node
10.0.14.188 - address of the VE on the Hardware Node

```
[root@dhcp0-12 ~]# uname -a
Linux dhcp0-12.sw.ru 2.6.18-ovz028stab035.1-smp #1 SMP Sat Jun 9 12:15:32 MSD 2007 i686 i686 i386 GNU/Linux
[root@dhcp0-12 ~]# vzctl
vzctl version 3.0.18
...
[root@dhcp0-12 ~]# chkconfig --list |grep nfs
nfs             0:off   1:off   2:off   3:off   4:off   5:off   6:off
nfslock         0:off   1:off   2:off   3:on    4:on    5:on    6:off
# add to the /etc/sysctl.conf folow line:
kernel.ve_allow_kthreads = 1
[root@dhcp0-12 ~]# modprobe nfs
[root@dhcp0-12 ~]# echo 1 > /proc/sys/kernel/ve_allow_kthreads
[root@dhcp0-12 ~]# ip a l
```

```
... eth0: 10.0.14.189/26 ...
[root@dhcp0-12 ~]# vzlist -a 102
      VEID      NPROC STATUS  IP_ADDR         HOSTNAME
       102          - stopped -               -
[root@dhcp0-12 ~]# vzctl set 102 --ipadd 10.0.14.188 --save
Saved parameters for VE 102
[root@dhcp0-12 ~]# vzctl start 102
Starting VE ...
VE is mounted
Adding IP address(es): 10.0.14.188
Setting CPU units: 1000
Configure meminfo: 49152
VE start in progress...
[root@dhcp0-12 ~]# vzctl set 102 --features "nfs:on" --save
Configure meminfo: 49152
Saved parameters for VE 102
[root@dhcp0-12 ~]# vzctl enter 102
entered into VE 102
[root@dhcp0-12 /]# ping 10.0.14.189
PING 10.0.14.189 (10.0.14.189) 56(84) bytes of data.
64 bytes from 10.0.14.189: icmp_seq=1 ttl=64 time=1.21 ms

--- 10.0.14.189 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 1.211/1.211/1.211/0.000 ms
[root@dhcp0-12 /]# ping 10.0.14.190
PING 10.0.14.190 (10.0.14.190) 56(84) bytes of data.
64 bytes from 10.0.14.190: icmp_seq=1 ttl=63 time=47.2 ms

--- 10.0.14.190 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 47.234/47.234/47.234/0.000 ms
[root@dhcp0-12 /]# logout
exited from VE 102
[root@dhcp0-12 ~]# vzctl restart 102
Restarting VE
Stopping VE ...
VE was stopped
VE is unmounted
Starting VE ...
VE is mounted
Adding IP address(es): 10.0.14.188
Setting CPU units: 1000
Configure meminfo: 49152
VE start in progress...
[root@dhcp0-12 ~]# ip a l
... eth0: 10.0.14.189/26 ...
[root@dhcp0-12 ~]# ip r l
```

10.0.14.188 dev venet0 scope link
10.0.14.128/26 dev eth0 proto kernel scope link src 10.0.14.189
default dev eth0
[root@dhcp0-12 ~]# ping 10.0.14.190
PING 10.0.14.190 (10.0.14.190) 56(84) bytes of data.
64 bytes from 10.0.14.190: icmp_seq=1 ttl=64 time=3.11 ms

--- 10.0.14.190 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 3.119/3.119/3.119/0.000 ms

Thank you,
Konstantin.

Subject: Re: Activated NFS and now the ve won't bring up network
Posted by den on Sun, 29 Jul 2007 06:52:49 GMT
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Hello, Jim!

The error happens in the context of a VE during execution of their own initscripts. Ideally, VE0/features should not affect this behavior...

I think, that some remnants/logs could be found in the syslog of the VE itself. Another bad sign is as 'D'-state processes like ifconfig/ip inside a VE.

Regards,
Den

Subject: Re: Activated NFS and now the ve won't bring up network
Posted by JimL on Fri, 03 Aug 2007 11:20:31 GMT
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Hello, Konstantin and Den,

Den was on the right track. Init was hanging during boot and networking was never being brought up. I removed the nfs entry from my fstab and it all came up fine. When I replaced it with a noauto the system came up OK.

The problem is apparently something to do with nfs on the server because attempting to mount from another system has the same problem.

A manual mount command takes almost two minutes to complete from a VE or another computer on the network. Ugh.

Thanks for all the help.

Jim.