Subject: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by mperkel on Mon, 22 Jan 2007 17:08:38 GMT
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Trying to migrate physical server Trixbox 2.0/Asterisk to VE. What I did was create a Cantos VE and from inside there I rsync'ed a physical Trixbox server. I then copied the /etc/sysconfig/network-scripts directory from a working VE. But the networking isn't working and from inside the VE I get this when restarting the network.

```
service network restart
Shutting down interface venet0:                    [  OK  ]
Shutting down loopback interface:                  [  OK  ]
Setting network parameters:  error: unknown error 1 setting key 'kernel.sysrq'
net.ipv4.ip_forward = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
error: unknown error 1 setting key 'kernel.core_uses_pid'
error: unknown error 1 setting key 'net.ipv4.tcp_syncookies'
                                                   [FAILED]
Bringing up loopback interface:                    [  OK  ]
Bringing up interface venet0:                      [  OK  ]
```

What am I missing? Thanks in advance.

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by dim on Tue, 23 Jan 2007 08:51:09 GMT
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Please, we need the output of the following commands:
1) `ip a l` in VE
2) `ip r l` in VE
3) `iptables-save` in VE
4)-6) above commands on the host itself
7) `sysctl net.ipv4.ip_forward` on the host

And please, specify kernel version you use.

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by mperkel on Tue, 23 Jan 2007 14:50:49 GMT
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In VE

```
[root@asterisk1 /]# ip a l
1: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue
    link/void
    inet 127.0.0.1/32 scope host venet0
    inet 69.50.231.3/32 brd 69.50.231.3 scope global venet0:0

[root@asterisk1 /]# ip r l
192.0.2.0/24 dev venet0  scope host
169.254.0.0/16 dev venet0  scope link
default via 192.0.2.1 dev venet0

[root@asterisk1 /]# iptables-save
# Generated by iptables-save v1.2.11 on Tue Jan 23 09:44:51 2007
*mangle
:PREROUTING ACCEPT [266338:13726413]
:INPUT ACCEPT [266336:13726317]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [265331:11430576]
:POSTROUTING ACCEPT [265331:11430576]
COMMIT
# Completed on Tue Jan 23 09:44:51 2007
# Generated by iptables-save v1.2.11 on Tue Jan 23 09:44:51 2007
*filter
:INPUT ACCEPT [266336:13726317]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [265331:11430576]
COMMIT
# Completed on Tue Jan 23 09:44:51 2007
```

In host:

```
[root@darwin acllists]# ip a l
2: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
4: sit0: <NOARP> mtu 1480 qdisc noop
    link/sit 0.0.0.0 brd 0.0.0.0
6: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:17:31:4d:c6:59 brd ff:ff:ff:ff:ff:ff
    inet 69.50.231.8/28 brd 69.50.231.15 scope global eth0
    inet 69.50.231.9/28 brd 69.50.231.15 scope global secondary eth0:9
```

```
    inet6 fe80::217:31ff:fe4d:c659/64 scope link
       valid_lft forever preferred_lft forever
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,LOWER_UP> mtu 1500 qdisc noqueue
    link/void

[root@darwin acllists]# ip r l
69.50.231.7 dev venet0  scope link
69.50.231.3 dev venet0  scope link
69.50.231.0/28 dev eth0  proto kernel  scope link  src 69.50.231.8
169.254.0.0/16 dev eth0  scope link
default via 69.50.231.1 dev eth0

[root@darwin acllists]# iptables-save
# Generated by iptables-save v1.3.5 on Tue Jan 23 06:48:00 2007
*mangle
:PREROUTING ACCEPT [154799105:18881939255]
:INPUT ACCEPT [151532345:18610681828]
:FORWARD ACCEPT [3262635:270618423]
:OUTPUT ACCEPT [157765457:35789181814]
:POSTROUTING ACCEPT [161030087:36060175350]
COMMIT
# Completed on Tue Jan 23 06:48:00 2007
# Generated by iptables-save v1.3.5 on Tue Jan 23 06:48:00 2007
*filter
:INPUT ACCEPT [151532454:18610690095]
:FORWARD ACCEPT [3262637:270618531]
:OUTPUT ACCEPT [157765459:35789181973]
COMMIT
# Completed on Tue Jan 23 06:48:00 2007

[root@darwin acllists]# sysctl net.ipv4.ip_forward
net.ipv4.ip_forward = 1
```

Kernel 2.6.18-028test010 #2 SMP

Thanks in advance

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by dim on Wed, 24 Jan 2007 09:11:14 GMT
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Looks like correct configuration. Could it be DNS issue?

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network

Posted by mperkel on Wed, 24 Jan 2007 14:54:24 GMT
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Definitely not a DNS issue. I can't see why DNS would make this error.

error: unknown error 1 setting key 'kernel.core_uses_pid'
error: unknown error 1 setting key 'net.ipv4.tcp_syncookies'
[FAILED]

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by dim on Wed, 24 Jan 2007 14:57:28 GMT
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Above messages are because in VE context change of this sysctls is prohibited. Could you ping host node by its IP from VE? Could you ping external IPs from VE? Could you ping VE from host node?

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by mperkel on Wed, 24 Jan 2007 15:18:01 GMT
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Thanks for your help.

Remember I started this by copying a physical machine into a VE. So I suspect that the problem is related to network scripts. What I need to do, which I thought I did was to merge the networking from a VE and physical copy.

I copied the /etc/sysconfig/network-scripts directory. Are there other directories and files I need to copy?

Subject: Re: Migrating physical Trixbox 2.0/Asterisk => VE: no network
Posted by mperkel on Thu, 25 Jan 2007 15:52:23 GMT
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New details.

Migght not be VE related. On the HE I can't seem to add additional IP addresses there either. The main IP works but only the main IP.

ifconfig
eth0 Link encap:Ethernet HWaddr 00:17:31:4D:C6:59
inet addr:69.50.231.8 Bcast:69.50.231.15 Mask:255.255.255.240

```
        inet6 addr: fe80::217:31ff:fe4d:c659/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:39133654 errors:0 dropped:0 overruns:0 frame:0
        TX packets:39979143 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:127239880 (121.3 MiB)  TX bytes:3929486685 (3.6 GiB)
        Interrupt:16 Base address:0x2000

eth0:0    Link encap:Ethernet  HWaddr 00:17:31:4D:C6:59
        inet addr:69.50.231.9  Bcast:69.50.231.15  Mask:255.255.255.240
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        Interrupt:16 Base address:0x2000

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:494627 errors:0 dropped:0 overruns:0 frame:0
        TX packets:494627 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:199769732 (190.5 MiB)  TX bytes:199769732 (190.5 MiB)

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: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)
```

Looks normal to me but the IP address 69.50.231.9 is dead. I'm not sure what's wrong but sure could use some help. How do you troubleshoot this?

ifcfg-eth0

```
DEVICE=eth0
IPADDR=69.50.231.8
NETMASK=255.255.255.240
GATEWAY=69.50.231.1
ONBOOT=yes
TYPE=Ethernet
BOOTPROTO=none
USERCTL=no
PEERDNS=yes
IPV6INIT=no
```

ifcfg-eth0:0

```
IPADDR="69.50.231.9"
```

GATEWAY="69.50.231.1"
NETMASK=255.255.255.240
IPV6INIT=no
ONBOOT=yes
USERCTL=no
PEERDNS=yes
TYPE=Ethernet
DEVICE=eth0:0
BOOTPROTO=none