Subject: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 15:44:40 GMT
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We had a power failure today which meant the virtual server host server was turned off and back on. I have managed to start up all the nodes again, but i have a problem with outbound connections from the nodes within the virtual servers. Inbound connections are fine, and in and outbound connections from the host server are fine.

Any help greatly appreciated

Regards

Shaun

Subject: Re: outbound connectivity lost on all VE nodes
Posted by dim on Fri, 26 Jan 2007 16:00:59 GMT
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Do you use IPs from private pools for VEs?
Did you check net.ipv4.ip_forward sysctl value?

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 16:09:43 GMT
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hi

thanks for you response, I have checked the /etc/sysctl.conf file on the host node and this is all configured as per the installation guide.

On the host node net.ipv4.ip_forward = 1 and on the VE nodes net.ipv4.ip_forward = 0

We use the ips

192.168.0.210 - host node
192.168.0.211 - 225 for the VE nodes

All was working fine before the host server was shutdown and restarted.

Subject: Re: outbound connectivity lost on all VE nodes
Posted by dim on Fri, 26 Jan 2007 16:11:38 GMT
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Probably, iptables issue?

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 16:15:38 GMT
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have stopped IPTABLES service to take that out of the question. I am at a loss. do I have to
configure the default gateway on the VE nodes?

I can ping the host node, or any other node or any other computer in our internal network

But as soon as i try and ping an IP or an Address outside it fails

Regards

Shaun

Subject: Re: outbound connectivity lost on all VE nodes
Posted by dim on Fri, 26 Jan 2007 16:26:58 GMT
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Thus it is a problem of NAT of the outgoing gateway. It maps IP of the host node, but doesn't map
IPs of the VEs.

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 16:27:54 GMT
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just found this page on the site

http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs

now i have tried setting this up again, and restarting iptables on the host node but i get a failure
unloading the iptables modules and the service is not starting

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Subject: Re: outbound connectivity lost on all VE nodes
Posted by dim on Fri, 26 Jan 2007 16:39:36 GMT
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As your node have IP from the same private pool, there should be NAT somewhere on the packets way from host node to the Internet. If this NAT is under your control, the best way to fix VE's outgoing connection issue is to add their addresses to that NAT.
Another way, which is worse in the above case, but the one in the case, when you have no access to the above NAT, is to setup iptables on the host node, as you've read at the
http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs

Now, when you tried and failed, I need to have the following info:
1) kernel version you use
2) distro version, you use
2) `lsmod` command output
3) `/etc/init.d/iptables restart` output
4) `lsmod` after iptables restart
5) `iptables-save` output

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 16:45:20 GMT
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thanks for your help

1) 2.6.0-023stab016.2
2) centos 4
3)
Module   Size Used by
simfs   3452 13
vzethdev   6956 0
vzdquota   40080 13 [permanent]
af_packet   17000 0
ipt_length   1376 13
ipt_ttl   1536 13
ipt_tcpmss   1920 13
ipt_TCPMSS   3616 13
iptable_mangle   4192 13
iptable_filter   4032 13
ipt_multiport   1728 13
ipt_limit   1856 13
ipt_tos   1312 13
ipt_REJECT   5792 13
ip_tables   21328 10 ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,iptable_mangle,iptable_filter,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT
parport_pc   23744 0

```
lp                   8168  0
parport              19872  2 parport_pc,lp
sunrpc               136996  1
vznetdev             12416  27
vzmon                42976  15 vzethdev,vznetdev
vzdev                1824  4 vzethdev,vzdquota,vznetdev,vzmon
thermal              10344  0
processor            10428  1 thermal
fan                  2628  0
button               4560  0
battery              6788  0
ac                   3044  0
uhci_hcd             28792  0
ehci_hcd             26788  0
usbcore              103268  4 uhci_hcd,ehci_hcd
tg3                  108932  0
floppy               55440  0
ide_cd               38560  0
cdrom                38204  1 ide_cd
```

4) Flushing firewall rules: [60G[[0;32mOK [0;39m]
Setting chains to policy ACCEPT: mangle filter [60G[[0;32mOK [0;39m]
Unloading iptables modules: [60G[[0;31mFAILED [0;39m]

```
5) Module              Size  Used by
simfs                3452  13
vzethdev             6956  0
vzdquota             40080  13 [permanent]
af_packet            17000  0
ipt_length           1376  13
ipt_ttl              1536  13
ipt_tcpmss           1920  13
ipt_TCPMSS           3616  13
iptable_mangle       4192  13
iptable_filter       4032  13
ipt_multiport        1728  13
ipt_limit            1856  13
ipt_tos              1312  13
ipt_REJECT           5792  13
ip_tables            21328  10 ipt_length,ipt_ttl,ipt_tcpmss,ipt_TCPMSS,iptable_mangle,ipta
ble_filter,ipt_multiport,ipt_limit,ipt_tos,ipt_REJECT
parport_pc           23744  0
lp                   8168  0
parport              19872  2 parport_pc,lp
sunrpc               136996  1
vznetdev             12416  27
vzmon                42976  15 vzethdev,vznetdev
vzdev                1824  4 vzethdev,vzdquota,vznetdev,vzmon
```

```
thermal            10344  0
processor          10428  1 thermal
fan                2628  0
button             4560  0
battery            6788  0
ac                 3044  0
uhci_hcd           28792  0
ehci_hcd           26788  0
usbcore            103268  4 uhci_hcd,ehci_hcd
tg3                108932  0
floppy             55440  0
ide_cd             38560  0
cdrom              38204  1 ide_cd
```

6) # Generated by iptables-save v1.2.11 on Fri Jan 26 17:42:08 2007
*mangle
:PREROUTING ACCEPT [111:10228]
:INPUT ACCEPT [99:7665]
:FORWARD ACCEPT [12:2563]
:OUTPUT ACCEPT [73:12736]
:POSTROUTING ACCEPT [85:15299]
COMMIT
Completed on Fri Jan 26 17:42:08 2007
Generated by iptables-save v1.2.11 on Fri Jan 26 17:42:08 2007
*filter
:INPUT ACCEPT [99:7665]
:FORWARD ACCEPT [12:2563]
:OUTPUT ACCEPT [73:12736]
COMMIT
Completed on Fri Jan 26 17:42:08 2007

Subject: Re: outbound connectivity lost on all VE nodes
Posted by dim on Fri, 26 Jan 2007 16:56:38 GMT
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iptables modules are used by VEs, you need to stop service vz before restarting iptables.

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Fri, 26 Jan 2007 17:02:15 GMT
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yeah i thought of that just now. So have now done this. Though still when i did iptables start the

messages came back ok, but doing a status check says firewall is stopped.

Subject: Re: outbound connectivity lost on all VE nodes
Posted by slonghurst on Mon, 29 Jan 2007 09:23:27 GMT
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This seems to have resolved itself. I stopped iptables, stopped vz service.

set this line :-

iptables -t nat -A POSTROUTING -o eth0 -j SNAT --to ip_address

started vz service

Did not start iptables and this seems to have resolved things.

Thanks for your help.