
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

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,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
```

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.
