Subject: *SOLVED* IP ping works, DNS IP ping doesnt work
Posted by oliver on Fri, 16 Nov 2007 03:35:13 GMT
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hi,

i just recognized an intresting thing:

ping google.com

nothing happens.

host google.com <public DNS Server IP>
Using domain server:
Name: <public DNS Server IP>
Address: <public DNS Server IP>#53
Aliases:

google.com has address 72.14.207.99
google.com has address 64.233.167.99
google.com has address 64.233.187.99

ping <public DNS Server IP>

respond

ping <DNS Hostname of public DNS Server IP>

nothing happens

route -n

route -n
Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.1.0	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
0.0.0.0	192.168.1.1	0.0.0.0	UG	0	0	0	venet0

cat /etc/resolv.conf
nameserver <public DNS Server IP>

All commands has been put in the vps itself. The vps is Debian 64 Bit running on 64 Bit Centos 5 on 2.6.18-ovz028stab047.1-smp

The Hostmachine doesnt have any problems.

In General the vps services cant do an dns lookup.

ssh -v 192.168.1.40
OpenSSH_4.3p2 Debian-9, OpenSSL 0.9.8c 05 Sep 2006
debug1: Reading configuration data /etc/ssh/ssh_config
debug1: Applying options for *
debug1: Connecting to 192.168.1.40 [192.168.1.40] port 22.
debug1: Connection established.
debug1: permanently_set_uid: 0/0
debug1: identity file /root/.ssh/identity type -1
debug1: identity file /root/.ssh/id_rsa type -1
debug1: identity file /root/.ssh/id_dsa type -1

The vps is pingable from the outside.
The vps can ping every IP.

I dont really get the problem. If anyone know anything i would be thankfull.

Have a nice day

Greetings
Oliver

Subject: Re: IP ping works, DNS IP ping doesnt work
Posted by vaverin on Fri, 16 Nov 2007 06:30:18 GMT
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Hi Oliver,

are you sure that you have set correct nameserver's IP? Could you please check that you have correct response from DNS server?
Could you please try to add some another nameserver to /ets/resolv.conf?

Thank you,
Vasily Averin

Subject: Re: IP ping works, DNS IP ping doesnt work

Posted by vaverin on Fri, 16 Nov 2007 06:37:13 GMT
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Could you please also check the settings in /etc/nsswitch.conf file?

Subject: Re: IP ping works, DNS IP ping doesnt work
Posted by oliver on Fri, 16 Nov 2007 13:38:27 GMT
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hi,

thanks so far for the replay.

I am using for example 193.24.208.126

And for nsswitch.conf:

```
# cat /etc/nsswitch.conf
# /etc/nsswitch.conf
#
# Example configuration of GNU Name Service Switch functionality.
# If you have the `glibc-doc-reference' and `info' packages installed, try:
# `info libc "Name Service Switch"' for information about this file.

passwd:         compat
group:          compat
shadow:         compat

hosts:          files dns
networks:       files

protocols:      db files
services:       db files
ethers:         db files
rpc:            db files

netgroup:       nis


# ping google.com

# host google.com 193.24.208.126
Using domain server:
Name: 193.24.208.126
Address: 193.24.208.126#53
Aliases:
```

google.com has address 72.14.207.99
google.com has address 64.233.167.99
google.com has address 64.233.187.99
google.com mail is handled by 10 smtp4.google.com.
google.com mail is handled by 10 smtp1.google.com.
google.com mail is handled by 10 smtp2.google.com.
google.com mail is handled by 10 smtp3.google.com.

#ping 72.14.207.99
PING 72.14.207.99 (72.14.207.99) 56(84) bytes of data.
64 bytes from 72.14.207.99: icmp_seq=1 ttl=240 time=113 ms
64 bytes from 72.14.207.99: icmp_seq=2 ttl=240 time=113 ms
64 bytes from 72.14.207.99: icmp_seq=3 ttl=240 time=113 ms
64 bytes from 72.14.207.99: icmp_seq=4 ttl=240 time=112 ms

--- 72.14.207.99 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2998ms
rtt min/avg/max/mdev = 112.961/113.283/113.619/0.505 ms

Regards

Oliver

Subject: Re: IP ping works, DNS IP ping doesnt work
Posted by vaverin on Fri, 16 Nov 2007 14:13:51 GMT
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let's add "nameserver 4.2.2.4" to your /etc/resolv.conf file.
Then it make sense that the same commands works successfuuly on HN.

Then you can try to trace outgoing packets and responses by using tcpdump:
- inside VE on venet0 interface
- on HN on venet0 interface
- on HN on external interface (i.e eth0)

Subject: Re: IP ping works, DNS IP ping doesnt work
Posted by oliver on Fri, 16 Nov 2007 15:46:35 GMT
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hi,

echo nameserver 4.2.2.4 > /etc/resolv.conf
ping google.com

host google.com 4.2.2.4
;; connection timed out; no servers could be reached
Segmentation fault
host google.com 4.2.2.4
;; connection timed out; no servers could be reached
Segmentation fault

At this time i tried on another host server maschine this dns server with success. Then i tried again in the vps:

host google.com 4.2.2.4
Using domain server:
Name: 4.2.2.4
Address: 4.2.2.4#53
Aliases:

google.com has address 64.233.187.99
google.com has address 64.233.167.99
google.com has address 72.14.207.99
google.com mail is handled by 10 smtp3.google.com.
google.com mail is handled by 10 smtp4.google.com.
google.com mail is handled by 10 smtp1.google.com.
google.com mail is handled by 10 smtp2.google.com.
sv1:/# host google.com 4.2.2.4
Using domain server:
Name: 4.2.2.4
Address: 4.2.2.4#53
Aliases:

google.com has address 64.233.187.99
google.com has address 64.233.167.99
google.com has address 72.14.207.99
google.com mail is handled by 10 smtp2.google.com.
google.com mail is handled by 10 smtp3.google.com.
google.com mail is handled by 10 smtp4.google.com.
google.com mail is handled by 10 smtp1.google.com.

ping google.com

But also here nothing happens.

On Host machine:
tcpdump -i venet0 | grep 192.168.1.40

Nothing comes along when i do ping or something

tcpdump -i eth0 | grep 192.168.1.40

16:41:29.164202 IP 81.210.246.158 > 192.168.1.40: ICMP echo request, id 48110, seq 2048, length 40
16:41:29.164244 IP 192.168.1.40 > 81.210.246.158: ICMP echo reply, id 48110, seq 2048, length 40
16:41:30.164393 IP 81.210.246.158 > 192.168.1.40: ICMP echo request, id 48110, seq 2304, length 40
16:41:30.164421 IP 192.168.1.40 > 81.210.246.158: ICMP echo reply, id 48110, seq 2304, length 40

When i ping the vps from outside network

tcpdump on vps is not working because tcpdump its not available.
I will begin to create a complete new raw vps because it was working once as i remember.

Greetings
Oliver

Subject: Re: IP ping works, DNS IP ping doesnt work
Posted by oliver on Fri, 16 Nov 2007 16:18:44 GMT
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hi,

OK i got it.

cat /proc/user_beancounters

showed a hit of limit at:

othersockbuf

of 465 failcnt.

I raised the limit.

Then i got 21 failcnt.

Then i raised the barrier and now its working.

When i had failcnt of 21 i was able to ping. But the apache2 webserver didnt start.

Now barrier AND limit is high enough that no failcnt is acountet.

So the case can be closed. Thanks for the help anyway

Greetings
Oliver
