Subject: VE using wrong IP for outgoing connections
Posted by Jan Tomasek on Mon, 04 Dec 2006 22:38:12 GMT
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Hello,

I just realized that my VEs are is using IP address of HW node for connections initiated from inside of VE, except of their own. For example:

On physical non-OpenVZ system (195.113.1xx.14) I'm pinging my VE (195.113.2xx.253):

195.113.1xx.14:~# tcpdump -n icmp &
ldap3:~# ping -c 1 195.113.2xx.253
PING 195.113.2xx.253 (195.113.2xx.253) 56(84) bytes of data.
IP 195.113.1xx.14 > 195.113.2xx.253: icmp 64: echo request seq 1
IP 195.113.2xx.253 > 195.113.1xx.14: icmp 64: echo reply seq 1

tcp still running, now I'm pinging from VE (195.113.2xx.253) to physical system (195.113.1xx.14):

IP 195.113.2xx.254 > 195.113.1xx.14: icmp 64: echo request seq 1
IP 195.113.1xx.14 > 195.113.2xx.254: icmp 64: echo reply seq 1

But instead of .253 I see there .254 - that is IP of HW node. It is same with TCP and UDP connections. :(

Is there way how to fix this? I'm googling for a hour with no result, maybe I'm asking wrong questions, networking isn't my strong area :)
Please can someone direct me to right docs? I'm sure this must be asked many times in past...

Thanks for any help
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Jan Tomasek aka Semik
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Subject: Re: VE using wrong IP for outgoing connections
Posted by Jan Tomasek on Mon, 04 Dec 2006 23:03:25 GMT
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Jan Tomasek wrote:
> I just realized that my VEs are is using IP address of HW node for
> connections initiated from inside of VE, except of their own. For example:

My fault! I just realized it was because:

```
modprobe ipt_MASQUERADE
iptables -F; iptables -t nat -F; iptables -t mangle -F
iptables -t nat -A POSTROUTING -o eth0 -j MASQUERADE
echo 1 > /proc/sys/net/ipv4/ip_forward
```

I added those directives to my FW startup script because of VE which is using private IP range - it is supposed to have access to network but should not be reachable on public IP (to save IP) because it provide no services.

Sorry for meaningless mail on the list.

--

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