Subject: Networking? (NAT)
Posted by RobinVossen on Thu, 15 Nov 2007 08:22:36 GMT
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Well, I tryed everything.
But I cant get networking of the OpenVZ nodes up.
They have a IP.
I think I did it correct with the networking.
I did do this:
iptables -t nat -A POSTROUTING -s 192.168.#NodeNumber#.0 -o eth0 -j SNAT --to 192.168.42.112

192.168.42.112 is the IP I got within this network.
So, what do I do wrong?
Cheers,
Robin

oh and the Nodes IP is:
192.168.#Node Group Number#.#Node Number in Group#

Subject: Re: Networking? (NAT)
Posted by vaverin on Thu, 15 Nov 2007 11:48:34 GMT
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192.168.42.112 should be IP of your hardware node.
Otherwise reply packets will not reach your hardware node and cannot be deliverd back to VEs.

Subject: Re: Networking? (NAT)
Posted by RobinVossen on Thu, 15 Nov 2007 12:56:37 GMT
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So I should do:
iptables -t nat -A POSTROUTING -s 192.168.42.112 -o eth0 -j SNAT --to #OpenVEs PreDefined IP#

Subject: Re: Networking? (NAT)
Posted by vaverin on Thu, 15 Nov 2007 13:18:49 GMT
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vice versa

http://wiki.openvz.org/Using_NAT_for_VE_with_private_IPs#How_to_provide_access_for_VE_to_Internet
iptables -t nat -A POSTROUTING -s src_net -o eth0 -j SNAT --to ip_address

where src_net is a range of IP addresses of VEs to be translated by SNAT, and ip_address is the external IP address of your Hardware Node. Multiple rules are allowed, for example, in case you wish to specify several ranges of IP addresses. If you are using a number of physical network interfaces on the Node, you may need to specify a different interface for outgoing connections, e.g. -o eth2.

Subject: Re: Networking? (NAT)
Posted by RobinVossen on Thu, 15 Nov 2007 14:48:11 GMT
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THanks for your support. But I think I am thick or something...
I did run the following commands:
vzctl start 1
iptables -t nat -A POSTROUTING -s 192.168.1.1 -o eth0 -j SNAT --to 192.168.42.112
After that I did run vzlist output:
VPSID 1 NPROC 1 STATUS running IP_ADDR 192.168.1.1 HOSTNAME 1
Then I did vzctl enter 1
Now ping google.com (Error, unknown host google.com)
Exit (to get to my main system) ping google.com (Success)
ifconfig afterwards to check if I really aws 192.168.42.112.
Output:
eth0 inet addr:192.168.42.112

Bad Luck..

Were do I go wrong?

Subject: Re: Networking? (NAT)
Posted by khorenko on Thu, 15 Nov 2007 15:06:46 GMT
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Most probably you just haven't set up a dns server inside a VE.
Try to ping google.com via IP (i.e. ping 64.233.167.99) from inside VE. i think it should work.

if it works, just edit /etc/resolve.conf inside a VE (you can take settings from HN).

Subject: Re: Networking? (NAT)
Posted by khorenko on Thu, 15 Nov 2007 15:08:50 GMT
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Btw, what is the gefault gateway on your Hardware Node? i suspect that it's also 192.168.1.1 (you can check with 'ip r l' command).

In this case it's better to use another IP for the VE.

Subject: Re: Networking? (NAT)
Posted by RobinVossen on Thu, 15 Nov 2007 15:14:24 GMT
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The Default Gateway on the Hardware Node is 192.168.42.0/24
And yea indeed I dont have DNS -.-' (I feel stupid I have this problem always with linux)

Ok, ill fix resolv.conf and hope it works then. thx already

Subject: Re: Networking? (NAT)
Posted by RobinVossen on Thu, 15 Nov 2007 15:18:51 GMT
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It works!
Thanks
I lost my second box btw.
Whats the deal with Private and root?

Thanks already

Subject: Re: Networking? (NAT)
Posted by khorenko on Fri, 16 Nov 2007 09:56:11 GMT
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RobinVossen wrote on Thu, 15 November 2007 18:18Whats the deal with Private and root?
If i understood you right, you asked about the difference between /vz/private/* and /vz/root/* directories. Right?
If yes, please, take a look at message http://forum.openvz.org/index.php?t=msg&goto=20502&& amp;srch=private+root#msg_20492

Vasily described them there.